


Ontario. Ministry of
Natural Resources
Statistics · 1969-1972.



Digitized by the Internet Archive
in 2022 with funding from
University of Toronto

5930

STATISTICS, 1969 - 72

A
Statistical Reference
of
Lands and Forests
Administration

OPERATIONS BRANCH

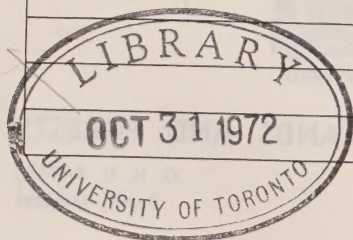


DEPARTMENT OF LANDS AND FORESTS

ON. RENE BRUNELLE,
Minister

G. H. U. BAYLY,
Deputy Minister

NEW POLICIES



INDEX

	PAGE
Foreword	1
Premiers of Ontario since Confederation	2
Commissioners and Ministers since 1827	3
Deputy Ministers since Confederation	4
ACCOUNTS BRANCH.....	7
Revenue and Expenditures	9
Revenue, details of	10
FISH AND WILDLIFE BRANCH	17
Fur Returns by Game Management Districts	19
Pelts, Value and Revenue	20
Bounties Paid	22
Breeding Stock on Fur Farms	23
Game Birds, Hunting Preserves and Propagators	24
Licences Sold (Hunting and Angling)	26
Prosecutions, Fines, etc.	28
Fish Hatchery Distribution	29
Commercial Fishing Equipment	33
Yield of Fisheries by Species and Waters	34
FOREST PROTECTION BRANCH	43
Historic Fires	46
Forest Fire Statistics	47
Forest Protection Permits	53
Major Equipment	54
Radio Stations, Call Signs, Frequencies	56
Air Service Section	61
Air Service Statistics	62
Air Base Opening Dates	67
LANDS AND SURVEYS BRANCH	71
Lands Proposed, Acquired and Rejected	77
Free Grant Land	79
Agricultural Land	80
Summer Resort Land	81
Cities, Towns and Townplots	82
Land for Special Use	83
Licences of Occupation, Leases	84
Land Use Permits	85
Distribution of Lithographed Maps	86
Retracement Surveys, Installed Capacity in H. P.	87
Wilderness Areas	88
LAW BRANCH.....	93
Federal-Provincial Co-operative Agreements	101

INDEX - Continued

	PAGE
OPERATIONS BRANCH	107
Hunter Safety Training, Hunting Accidents	109
Workmen's Compensation	110
Illustrated Public Lectures	111
Information and Education Services	112
Publications	113
PARKS BRANCH	117
Public Use of Provincial Parks	119
Provincial Parks (by Districts)	122
Reserve Areas (by Districts)	126
PERSONNEL BRANCH	129
Number of Employees	131
Summary of Classifications	132
Number of Professional Employees	134
Junior Rangers	135
Supervisory Personnel	137
Administrative Districts	138
District Supervisory Personnel	142
Ontario Forest Technical School	163
RESEARCH BRANCH	165
TIMBER BRANCH	171
Reforestation Section	173
Reforestation Establishments, Tree Production	174
Trees Supplied to Private Lands	176
Forest Areas Managed by the Minister	178
Silviculture Section	180
Trees Planted on Managed Forests and Crown Lands	184
Stand Improvement	187
Timber Section	189
Wood Cut by District, Type and Species	190
Licences -- Timber and Mills	195
Management Units	196
Primary Growing Stock and Allowable Annual Cut	197
COMMITTEES	201
AREA AND POPULATION by Provinces	211
HISTORICAL HIGHLIGHTS	212

FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1968 season and are subject to correction in the Annual Report for the year ending March 31st, 1969.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield		
Macdonald.....	July 16, 1867	Dec. 19, 1871
Hon. E. Blake.....	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat.....	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy.....	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross.....	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney.....	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard		
Hearst.....	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury ..	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson.....	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry.....	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn..	July 10, 1934	Oct. 21, 1942
Hon. G.D. Conant.....	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon.....	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew.....	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy ..	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost.....	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts.....	Nov. 8, 1961	.....

COMMISSIONERS AND MINISTERS SINCE 1827

	From	To
Hon. Peter Robinson	July 17, 1827	July 14, 1836
Hon. R.B. Sullivan.....	July 14, 1836	June 30, 1841
Hon. John Davidson	July 23, 1841	Oct. 12, 1842
Hon. A.N. Morin	Oct. 13, 1842	Dec. 11, 1843
Hon. D.B. Papineau.....	Sept. 3, 1844	Dec. 7, 1847
Sir John A. MacDonald ..	Dec. 8, 1847	Mar. 10, 1848
Hon. J.H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte ...	Aug. 17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855	April 30, 1857
Sir E.P. Tache	June 16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte ...	Nov. 25, 1857	Aug. 1, 1858
Sir. A.A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet .	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood...	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall....	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell.....	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards...	July 1, 1867	July 25, 1871
Sir Matthew C. Cameron.	July 25, 1871	Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy ...	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E.J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A.G. McKay.....	Nov. 22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb. 8, 1905	May 13, 1905
Hon. F. Cochrane.....	May 13, 1905	Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G.H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N.O. Hipel	May 27, 1941	Aug. 17, 1943
Hon. W.G. Thompson....	Aug. 17, 1943	Nov. 28, 1946
Hon. H.R. Scott	Nov. 28, 1946	June 3, 1952
Hon. W.S. Gemmell.....	June 3, 1952	July 7, 1954
Hon. C.E. Mapledoram..	July 7, 1954	July 4, 1958
Hon. J.W. Spooner	July 23, 1958	Oct. 25, 1962
Hon. A. Kelso Roberts, Q.C.	Oct. 25, 1962	Oct. 28, 1966
Hon. Rene Brunelle	Nov. 24, 1966	.....

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL.....	1941
G. H. U. BAYLY	1966

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization until retiring in 1966.

G. H. U. BAYLY joined the Department with the Division of Reforestation in 1945. He was appointed Chief in 1955 and Assistant Deputy Minister in 1957. He flew with the RCAF from 1940 to 1945, in the United Kingdom, Africa and the Far East, retiring with the rank of Squadron Leader and the Distinguished Flying Cross won in the battle for Ceylon. He received a B. Sc. F. degree from the University of Toronto in 1939 and a M. Sc. F. in 1952.

NEW POLICIES

[illegible]

ACCOUNTS BRANCH

The Division of Accounts was established in 1941 under J. G. McMillen.

R. R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports. A comprehensive internal audit program is provided. In 1964, a systems improvement program was instituted.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBEAN

Chief Accountant: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

Systems Improvement Program

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES in years ending March 31st

YEAR	CASH RECEIPTS		Total	CASH DISBURSEMENTS		Total
	Ordinary	Capital		Ordinary	Capital	
1948	\$ 10,467,251.70	\$ 215,151.77	\$ 10,682,403.47	\$ 7,598,611.94	.....	\$ 7,598,611.94
1949	11,419,352.16	215,884.90	11,635,237.06	11,400,801.97	.....	11,400,801.97
1950	10,924,652.37	677,603.32	11,602,255.69	9,913,520.62	\$ 4,623,339.12	14,536,859.74
1951	10,966,065.72	5,351,437.91	16,317,503.63	9,840,796.17	3,326,822.18	13,167,618.35
1952	14,604,915.18	3,222,682.07	17,827,597.25	10,681,717.01	2,196,671.93	12,878,388.94
1953	20,634,549.56	2,513,325.57 ^m	23,147,875.13	11,486,280.94	1,654,781.54 ^m	13,141,062.48
1954	18,156,762.00	1,810,672.96	19,967,434.96	12,608,258.47	800,000.00	13,408,258.47
1955	19,146,974.96	178,810.09	19,325,785.05	12,716,508.33	178,810.09	12,895,318.42
1956	19,823,049.47	328,056.86	20,151,106.33	17,148,523.65	128,297.23	17,276,820.88
1957	20,881,873.91	367,501.40	21,249,375.31	16,037,678.39	187,935.36	16,225,613.75
1958	22,189,712.48	490,717.96	22,680,430.44	18,733,582.62	280,550.13	19,014,132.75
1959	19,512,132.50 ^w	725,375.25	20,237,507.75	20,259,829.63	4,167,468.40 ^p	24,427,298.03
1960	18,627,418.14 ^w	807,860.60	19,435,278.74	23,029,901.12 ^p	991,022.60	24,020,923.72
1961	20,811,710.78	844,686.28	21,656,397.06	23,042,059.98	234,988.32	23,277,048.30
1962	21,361,244.94	644,158.52	22,005,403.46	26,606,120.51	1,413,973.51	28,020,094.02
1963	21,852,508.58 ^w	721,351.77	22,573,860.35	25,579,139.71	2,934,927.69	28,514,067.40
1964	22,584,169.47	640,056.82	23,224,226.29	27,815,028.66	3,557,125.18	31,372,153.84
1965	23,273,311.03	768,852.31	24,042,163.34	28,667,274.63	1,562,775.74	30,230,050.37
1966	25,513,416.20	822,938.60	26,336,354.80	28,528,699.63	3,893,760.12	32,422,459.75
1967	26,288,442.11	1,129,352.10	27,417,794.21	36,307,310.01	5,905,588.27	42,212,898.28
1968	28,755,043.88	1,225,300.22	29,980,344.10	42,807,111.26	8,006,754.94	50,813,866.20

Grants to Conservation Authorities in 1962, 1963 and 1964.

Water power revenue transferred to Treasury Department in 1959. p--Parks improvements. w--Cut back in woods operation. m--Mississagi project.

TIMBER SECTION REVENUE in years ending March 31st

Year	Crown Dues	Ground Rent	Forest Protection Charges	Cash Deposits and Refunds	Misc.	Total
1947	\$ 6,175,444	\$ 125,061	\$ 461,164	\$ 164,784	\$ 17,651	\$ 6,944,104
1948	6,093,410	126,875	456,444	*****	178,302	6,855,031
1949	6,899,107	108,934	440,011	130,506*	14,744	7,332,290
1950	6,146,884	112,139	485,313	29,195	15,704	6,789,235
1951	5,269,279	116,642	1,007,662	53,743	13,777	6,461,403
1952	8,324,529	114,197	1,010,554	26,954	24,631	9,500,865
1953	13,718,339	123,366	1,175,776	77,859	22,361	15,117,701
1954	10,225,155	79,832	1,052,635	14,373*	23,211	11,396,460
1955	10,834,114	76,019	945,953	53,919	17,673	11,927,678
1956	11,667,003	76,234	971,517	18,024*	10,000	12,706,730
1957	12,332,778	80,786	1,091,659	34,762	16,583	13,556,568
1958	13,333,503	81,098	1,041,837	45,844*	20,414	14,431,008
1959	11,382,445w	84,468	1,085,027	51,833*	19,893	12,520,000
1960	10,381,470w	82,255	1,057,804	16,924	26,869	11,565,322
1961	11,983,088	80,488	1,035,464	38,664*	32,041	13,092,417
1962	12,202,240	83,074	1,085,269	21,102	14,660	13,406,345
1963	11,418,166w	83,903	1,096,639	7,969*	26,661	12,617,400
1964	12,194,962	81,522	989,233	48,800	25,067	13,339,583
1965	12,442,384	88,569	1,153,344	16,177	29,239	13,729,713
1966	13,770,045	83,865	1,083,416	64,461*	20,715	14,893,580
1967	13,273,094	85,950	1,123,840	38,958	44,628	14,566,470
1968	15,006,187	118,105	1,519,165	22,730*	94,084	16,714,811

*Refunds in excess of deposits.

w - Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

Year	Deer Licences	Moose Licences	Other Hunting Licences	Non-Res. Hunting Licences	Angling Licences	Commercial Fishing + Licences	† Royalty (Game)	Misc.	Total
1948	\$205,827	\$11,878	\$146,601	\$453,790	\$1,156,904	\$110,705	\$206,514	\$128,442	\$2,420,661
1949	237,707	16,787	176,301	468,705	1,350,501	116,597	328,171	119,107	2,813,876
1950	242,208	352	194,228	264,922	1,450,180	115,344	293,426	113,858	2,774,518
1951	264,881	.....	200,790	401,490	1,637,775	121,688	321,698	117,429	3,065,752
1952	286,226	7,719	222,998	340,255	1,868,746	135,255	341,664	117,082	3,319,945
1953	348,665	33,487	249,982	156,913	1,949,892	140,116	398,604	132,256	3,409,915
1954	355,911	52,464	251,535	447,366	2,086,074	125,427	353,005	128,953	3,800,735
1955	364,082	73,460	277,237	454,643	2,204,668	140,064	343,220	122,882	3,989,256
1956	405,201	90,040	295,320	513,088	2,279,336	132,944	317,052	121,733	4,154,714
1957	400,272	134,210	292,098	545,979	2,294,761	145,447	272,952	120,108	4,205,827
1958	415,920	173,650	317,375	563,004	2,431,977	128,634	277,800	126,171	4,434,531
1959	459,440	214,664	346,914	588,852	2,337,425	116,861	268,276	107,392	4,439,824
1960	468,833	245,033	352,197	698,968	2,399,612	112,260	252,001	93,303	4,622,207
1961	493,361	280,274	357,021	797,213	2,435,611	110,168	279,484	94,979	4,848,111
1962	420,727	358,695	344,706	936,819	2,527,212	111,552	244,082	110,723	5,054,516
1963	478,444	363,095	353,064	1,041,490	2,608,572	114,461	255,265	110,406	5,324,797
1964	457,361	393,296	381,125	1,125,019	2,685,219	115,724	327,572	112,765	5,598,081
1965	493,979	366,693	388,629	1,278,264	2,695,802	122,525	287,124	96,062	5,729,078
1966	533,179	422,535	463,951	1,478,195	2,847,117	123,027	230,316	54,981	6,153,301
1967	546,667	436,508	472,279	1,859,144	2,971,133	134,876	255,508	65,841	6,741,701
1968	552,136	464,418	449,174	1,890,323	3,000,996	142,758	249,055	136,156	6,891,016

†Includes Smelt Licences and Royalty (Fish).

‡Includes Trapper's Licences.

PROVINCIAL PARKS REVENUE in years ending March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Federal Assistance	Misc.	Total
1957	\$	\$ 45,613	\$	\$.....	\$13,008	\$ 58,621
1958	148,488	78,462	.....	.....	17,383	244,333
1959	207,751	124,137	.....	.....	27,181	581,356
1960	292,459	206,148	44,775	.....	25,556	568,938
1961	382,887	331,481	60,868	195,129	25,208	995,573
1962	438,632	447,535	58,831	.....	45,313	990,311
1963	507,657	537,997	71,646	218,916	34,347	1,370,563
1964	554,098	599,440	84,125	.....	17,305	1,254,968
1965	591,748	626,034	95,487	.....	21,945	1,335,214
1966	901,300	863,704	95,082	.....	24,849	1,884,935
1967	1,024,315	935,513	105,670	.....	37,998	2,103,496
1968	1,028,405	1,001,079	107,536	239,410	55,579	2,432,009

LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,237	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250
1966	495,852	324,548	32,041	198,039	1,050,480
1967	732,281	346,762	34,265	356,877	1,470,185
1968	778,884	399,445	30,987	309,784	1,519,100

† Leases and Licences of Occupation

CASH RECEIPTS

In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	*Nursery Tree Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	.....
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414
1966	1,528,775	121,514	26,664	72,007	143,283
1967	1,772,838	136,660	31,878	81,667	106,888
1968	1,761,796	136,921	38,715	124,489	129,535

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

NEW POLICIES

NEW POLICIES

[illegible]

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

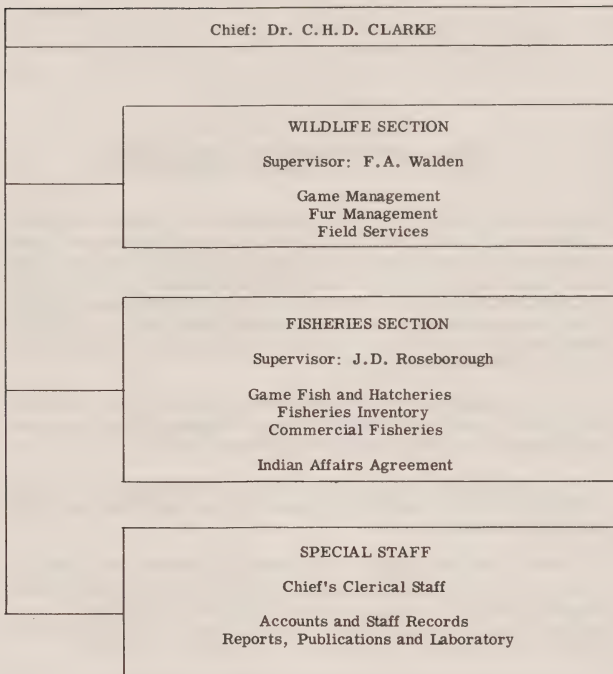
The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 240. At peak periods, they are assisted by more than 200 other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH



*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Year	No. of Trappers	Beaver	Fisher	Fox	**Lynx	Marten	Mink	Muskrat	Otter	Raccoon	Skunk	Squirrel	Weasel
1949	4,326	46,208	1,027	2,822	409	120	19,867	172,219	3,276	129	77	209	20,544
1950	4,917	62,717	310	1,741	389	48	30,750	146,145	3,488	66	169	...	44,463
1951	11,379	81,790	662	3,480	415	1,045	31,323	408,662	6,137	6,667	4,538	4,121	32,002
1952	11,641	99,391	2,081	5,069	251	1,529	27,704	567,565	5,259	10,905	5,747	5,598	13,129
1953	12,332	109,260	2,414	5,838	1,216	2,210	28,904	671,642	6,410	9,874	5,749	16,077	23,737
1954	11,914	91,484	2,335	5,289	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816
1955	12,310	115,439	2,915	2,977	1,547	3,587	29,520	640,865	6,224	99,641	1,879	16,133	28,813
1956	11,001	98,084	3,046	2,782	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190
1957	9,529	106,738	2,127	1,313	564	4,467	36,284	443,153	5,727	10,551	1,105	19,440	17,981
1958	8,604	140,371	3,173	2,159	1,103	6,061	49,484	446,578	8,519	9,596	2,019	14,778	16,410
1959	7,826	120,566	2,365	2,160	2,242	4,559	44,926	337,936	6,698	4,200	572	11,300	11,626
1960	8,657	110,615	3,125	1,273	4,038	6,361	47,445	320,287	6,040	10,580	389	9,255	12,472
1961	9,100	132,375	3,348	1,753	4,502	9,325	61,520	304,731	7,422	7,433	216	12,496	12,631
1962	8,588	137,609	2,728	3,090	4,578	10,260	47,215	377,888	7,456	9,543	264	10,009	11,143
1963	9,448	167,408	2,830	1,647	4,743	7,748	43,048	345,428	8,326	9,189	112	12,850	10,213
1964	9,437	181,778	3,659	2,625	4,913	12,822	44,161	366,862	8,890	11,025	...	14,880	10,213
1965	8,937	161,229	2,581	2,343	1,690	10,664	32,825	251,795	8,457	8,280	...	17,750	11,841
1966	9,035	147,627	3,116	4,088	1,503	19,131	25,705	390,685	8,171	20,389	72	9,297	10,446
1967	8,988	143,776	3,016	4,581	1,167	26,591	23,964	359,142	6,928	11,797	...	7,490	7,721
1968	7,497	160,278	2,189	3,672	912	13,977	21,272	369,848	7,204	14,970	...	17,758	5,791
1968	Price(\$)	16.84	13.81	7.91	30.69	6.41	10.01	.99	23.37	4.50	...	.32	.27
1968	Total Value:	\$3,708,983.21											

*Management began in 1947. Wolf and bear returns not reported above.

**Lynx includes Bob Cat.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

Year	Wild Beaver	Ranch Mink	VALUE OF PELTS			Total	Wild Beaver	Total Wild	Total Ranch	Total
			Total Wild	Total Ranch	Total					
1947	45,908	73,770	876,204	101,430	977,634	\$1,273,947	\$4,966,209	\$2,262,888		\$7,229,098
1948	20,102	125,829	1,001,249	155,468	1,156,717	671,407	4,040,847	2,346,039		6,386,885
1949	74,414	143,358	1,046,628	164,917	1,211,545	1,592,460	5,187,075	1,647,044		6,834,120
1950	65,728	143,513	931,890	158,912	1,090,802	1,311,274	4,248,297	2,165,233		6,413,530
1951	82,048	142,570	811,579	152,208	963,787	1,938,794	4,582,901	3,101,559		7,684,460
1952	105,769	144,436	959,431	152,284	1,111,715	1,496,631	3,656,919	2,355,226		6,012,145
1953	122,590	152,760	1,098,286	156,903	1,255,189	1,612,059	3,868,812	2,171,784		6,040,596
1954	105,361	131,192	1,016,672	132,759	1,149,431	1,016,734	2,682,762	1,905,518		4,588,280
1955	135,290	158,662	1,107,530	159,765	1,267,295	1,995,528	4,284,902	2,942,968		7,227,870
1956	113,200	171,723	786,608	172,985	959,593	1,386,700	2,989,521	4,129,555		7,119,077
1957	113,036	247,998	788,666	248,317	1,036,983	1,254,700	2,575,809	2,978,209		5,554,018
1958	141,263	237,172	791,165	237,930	1,029,095	1,483,262	2,713,427	3,943,119		6,656,546
1959	120,121	262,788	680,189	262,913	943,102	1,249,259	2,445,203	3,969,224		6,414,426
1960	111,235	286,845	641,093	287,265	928,358	1,479,426	2,831,174	4,450,571		7,281,744
1961	131,620	348,193	680,878	348,602	1,029,480	1,408,334	2,469,875	4,441,088		6,910,963
1962	137,634	385,650	627,283	385,962	1,013,245	1,362,577	2,451,075	5,593,485		8,044,560
1963	166,726	385,982	692,487	386,133	1,078,620	1,959,031	3,439,311	6,176,920		9,616,231
1964	183,973	437,303	742,923	437,443	1,180,366	2,327,258	3,942,029	7,019,973		10,962,002
1965	159,524	393,231	597,866	393,231	991,097	1,659,050	2,877,897	5,898,465		8,776,362
1966	149,408	482,932	724,464	483,142	1,207,606	2,285,942	3,985,556	8,219,084		12,204,640
1967	140,083	542,647	611,536	542,822	1,154,358	1,603,950	2,596,393	5,430,845		8,027,238
1968	164,319	593,633	705,943	593,673	1,299,616	2,366,194	3,348,373	5,729,358		9,077,731

ROYALTY ON WILD PELTS

NUMBER OF PELTS

Year	Beaver Export	Beaver Tanners	Wild Export	Wild Tanners	Total Export	Total Tanners	Beaver	Wild Export	Wild Tanners	Total
1947	45,847	61	667,657	208,546	762,998	214,636	\$ 91,816	\$188,561	\$23,229	\$211,790
1948	20,083	19	714,941	286,308	862,700	294,017	.....	.....	.....	.....
1949	74,253	161	784,276	262,352	940,378	271,167	148,828	238,974	27,156	266,130
1950	65,600	128	758,371	173,519	909,079	181,723	131,456	219,949	18,075	238,024
1951	81,845	203	665,366	146,213	814,447	149,340	164,096	241,937	15,493	257,430
1952	105,503	266	773,562	185,869	922,868	188,847	211,538	300,321	19,556	319,877
1953	122,287	303	848,398	249,888	998,713	256,476	185,586	300,799	26,314	327,113
1954	105,071	290	780,147	236,525	908,990	240,441	158,071	268,823	25,430	294,253
1955	134,729	561	788,052	319,478	941,348	325,947	136,563	242,490	34,794	277,284
1956	111,663	537	604,077	182,531	769,027	190,566	113,200	196,956	20,767	217,723
1957	111,278	1,758	559,150	229,516	788,370	248,613	113,036	194,340	27,596	221,936
1958	140,930	333	657,062	134,103	879,779	149,779	141,263	224,921	9,407	234,328
1959	119,684	437	586,768	93,421	830,538	112,564	120,121	195,586	8,353	203,939
1960	109,757	1,478	588,120	82,973	821,984	106,374	111,235	188,562	6,950	195,512
1961	130,167	1,453	608,949	71,929	918,212	111,268	131,620	224,237	9,017	233,254
1962	135,949	1,685	569,249	58,034	897,511	115,734	137,634	217,870	5,999	223,869
1963	164,293	2,433	623,347	69,140	959,404	119,216	166,726	242,652	6,981	249,633
1964	135,791	48,182	530,863	212,060	903,688	276,678	183,973	198,473	72,874	271,347
1965	116,901	42,623	405,967	191,899	728,415	262,682	159,524	166,325	64,339	230,664
1966	99,719	49,689	430,514	293,950	835,687	371,919	149,408	146,612	77,732	224,344
1967	92,676	44,407	364,475	247,061	827,995	326,363	140,083	135,015	73,449	208,464
1968	105,703	58,616	397,170	308,773	866,491	433,125	164,319	144,588	83,882	228,470

BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

WOLF BOUNTY

Year	12 mts. and over \$10 each	Under 12 mts. \$5 each	Total Amount Paid	Timber	Brush	Pups	Total	Total Amount Paid
1947	959	73	\$9,735	1,440	1,182	42	2,664	\$59,275
1948	509	17	5,095	1,515	961	74	2,540	54,923
1949	592	67	6,035	1,581	1,062	84	2,727	57,977
1950	803	122	8,530	1,613	890	41	2,544	56,927
1951	453	47	4,645	1,405	651	44	2,100	46,457
1952	408	29	4,180	1,198	634	63	1,895	41,803
1953	662	57	6,805	1,313	739	68	2,120	46,550
1954	947	145	10,000	1,101	720	70	1,891	41,853
1955	1,126	99	11,590	1,075	620	41	1,736	38,703
1956	614	50	6,210	1,088	559	28	1,675	37,550
1957	611	50	6,225	1,195	486	71	1,752	38,950
1958	1,588	300	16,930	1,047	574	34	1,655	37,255
1959	1,084	116	11,145	1,169	606	49	1,824	41,589
1960	697	139	7,590	939	528	42	1,509	33,619
1961	401	46	4,150	1,320	761	57	2,138	48,766
1962	*328	*33	*3,405	1,136	794	68	1,998	44,510
1963	(Payment ended on July 27, 1961)			1,276	691	64	2,031	44,664
1964	....	....	.....	1,342	862	61	2,265	44,999
1965	....	....	.....	1,638	1,052	63	2,753	59,997
1966	....	....	.....	1,593	1,195	44	2,832	59,937
1967	....	....	.....	1,578	1,277	45	2,900	59,084
1968	....	....	.....	1,644	1,342	81	3,067	61,996

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Fox											
Blue.....	56	57	83	94	97	57	48	46	96	84	71
Cross.....	1	.....	.....	.....	.....	1	1	...	...	...	...
Pearl Platinum..	119	.....	.....	.....	.....	.....	...	...	...	...	...
Platinum.....	105	186	232	280	367	355	270	256	241	263	255
**Other Fox.....	7	12	13	14	9	...	...	7	6	2	10
*Silver.....	166	150	178	292	212	130	123	106	110	140	162
White Marked....	6	.....	.....	.....	.....	.....	...	...	...	...	...
Total Fox	460	405	506	680	685	543	442	415	453	489	498
Nink	109,936	119,299	130,294	142,600	154,626	164,901	178,814	188,005	204,073	219,124	234,369
Beaver.....	1	1	1	1	1	...	2	...	...	...	...
Fisher.....	12	8	2	2	1	1	4	4	4	3	...
Lynx.....	.....	.....	.....	.....	.....	...	...	...	...	...	...
Marten.....	85	76	89	96	97	78	33	33	15	23	9
Muskrat.....	54	47	.....	.....	.....	...	10	52	...	...	...
Raccoon.....	43	33	24	22	20	13	8	2	1	...	...
Skunk.....	5	3	3	3	3	4	2	1	1	...	...
NO. OF FARMS.....	514	507	495	495	508	500	505	499	494	491	477

*Includes Standard and White Marked. **Includes Cross, Red and White

GAME BIRD HUNTING PRESERVES in year ending March 31, 1968

Districts	No. of Pre- serves	No. of Hunters	Birds Purchased	Birds Released	Birds Harvested	Stock on Hand
Lake Erie.....	16	1,754	11,575	11,829	8,985	2,606
Lake Huron.....	6	336	1,319	2,029	1,348	25
Lake Simcoe.....	7	827	5,537	4,383	2,502	36
Lindsay.....	4	-	1,600	2,650	1,797	105
Tweed.....	2	254	5,207	5,207	2,939	...
Kemptville.....	2	50	.....	365	365	94
Sault Ste. Marie.....	1	160	1,073	1,073	663	...
Totals.....	38	3,916	26,311	27,536	18,599	2,866

COMMERCIAL PHEASANT PROPAGATORS in year ending March 31, 1968

PURCHASES					SALES				
Districts	No. of Farms	Eggs	Chicks Poult	Adults	Dressed Birds	Eggs	Chicks Poult	Live Adults	Stock on Hand
Lake Erie.....	36	875	10,995	3,079	1,970	4,172	43,033	13,852	3,049
Lake Huron.....	34	...	6,563	798	7,348	742	1,382	4,714	725
Lake Simcoe.....	18	5,872	9,502	736	9,737	98	3,369	1,596	1,462
Lindsay	10	...	2,416	2	381	...	...	...	175
Tweed.....	7	...	5,320	1,003	2,550	12	177	109	700
Kemptville.....	..	1,200	400	1	1,033	73	1,484	380	253
Sault Ste. Marie.....	1	...	1,360	...	205	...	...	1,073	...
Totals.....	106	7,947	36,556	5,616	23,224	5,097	49,445	21,724	6,364

HUNTING LICENCES SOLD

Year	DEER			MOOSE			BEAR+		SMALL GAME	
	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	Resident	Non-Res.
1946	62,913	7,877	70,790	1,694	1,230	2,924	...	783	155,309	4,666
1947	67,299	11,193	78,492	2,270	1,516	3,786	...	548	171,098	3,620
1948	73,700	11,300	85,000	3,000	1,700	4,700	...	1,600	186,060	3,200
1949	76,274	12,050	88,324	*	*	*	...	1,176	205,706	3,300
1950	84,380	12,440	96,820	*	*	*	...	1,127	213,594	5,620
1951	89,290	10,400	99,690	1,400	*	1,400	...	1,120	240,040	4,960
1952	96,790	** 870	97,660	3,620	*	3,620	...	3,060	268,444	5,400
1953	92,785	8,300	101,085	5,196	637	5,833	...	2,490	256,341	3,810
1954	92,800	10,400	103,200	7,500	730	8,230	...	1,520	284,000	5,300
1955	105,150	8,050	113,200	9,000	990	9,990	...	1,750	318,000	6,010
1956	98,079	7,426	105,505	13,441	1,521	14,962	...	2,031	316,778	5,905
1957	106,620	6,743	113,363	17,367	1,890	19,257	...	2,703	341,838	6,092
1958	109,322	6,044	115,366	22,688	2,362	25,050	...	4,803	377,589	5,503
1959	102,960	5,988	109,948	26,349	3,431	29,780	...	4,089	378,666	6,243
1960	114,400	6,004	120,404	31,948	4,212	36,160	...	3,828	383,205	7,286
1961	106,160	5,788	111,948	38,977	5,775	44,752	...	3,607	377,047	7,103
1962	121,735	5,913	127,648	39,470	6,675	46,145	307	1,922	383,150	7,538
1963	114,510	6,351	120,861	43,144	7,261	50,405	354	2,038	416,019	7,685
1964	124,182	6,562	130,744	40,188	7,639	47,827	414	2,208	399,521	7,998
1965	130,636	7,242	137,878	60,281	10,057	70,338	583	2,697	424,806	9,551
1966	137,429	8,858	146,287	48,498	12,698	61,196	813	3,960	435,202	12,248
1967	139,253	9,001	148,254	51,602	12,875	64,477	964	4,924	440,378	12,487

* Closed Season.

**U. S. A. ban on importation of cloven-hoofed animals.

+ Includes a few non-resident wolf licences.

TOTAL LICENCES SOLD

Year	ANGLING		HUNTING		
	Resident	Non-Res.	Resident	Non-Res.	Total
1944	.....	89,291	132,376	5,168	137,544
1945	.....	126,367	186,680	9,451	196,131
1946	.....	171,400	219,916	14,556	234,472
1947	.....	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712
1965	12,982	533,154	616,306	29,547	645,853
1966	13,249	571,453	621,942	37,764	659,706
1967	13,566	578,811	632,197	39,287	671,484

PROSECUTIONS in years ending March 31st

Year	Seiz- ures	Public Sales	*Total Sales	Convic- tions	Collected Costs	Fines
1947	1,844	\$.....	\$37,202	2,040	\$1,216	\$44,267
1948	.....	4,700	.....	2,880	.....	.....
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872	.....	23,633	2,880	1,387	50,460
1954	2,975	.....	25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236	.....	48,442
1966	2,581	9,604	23,392	2,347	1,042	53,127
1967	2,942	11,235	26,264	2,626	.....	60,658
1968	3,404	13,261	30,599	3,239	1,274	81,420

*Includes Redemptions.

FISH DISTRIBUTED FROM ONTARIO HATCHERIES IN 1967

Key: E - Eggs EE - Eyed Eggs	F - Fry AF - Advanced Fry	Fg - Fingerlings Y - Yearlings	Y2 - Two Year Olds Y3 - Three Year Olds	A - Adults	
HATCHERY	BROOK TROUT	LAKE TROUT	RAINBOW TROUT	OTHER SPECIES	
Chatsworth	....	....	....	Kokanee	....
	....	....	....	10,000EE	....
	44,060Fg	....	60Fg	211,000Fg	....
	182,971Y	11,307Y	....	....	Splake
Codrington	28,048A	12,600Y2	....	....	....
	500Fg	....	700Fg	....	1,180Fg
	15,000Y	....	....	Maskinonge	1,677Y
	5,300A	....	....	....	Largemouth
Deer Lake	....	....	....	2,650,000F	260A
	....	....	450Fg	12,000Fg	Walleye
	36,000Y	99,500Y	15,880Y	195A	200A

Dorion	2,000,000EE	....	....	....	....
	438,562Fg	3Fg	16,000Fg	....	....
	33,825Y	272,800Y	26,670Y	....	....
	3,411A	....	....	Albino	....
Hills Lake	441,000EE	50,000EE	....	Brook Trout	....
	....	....	6,000F	....	....
	294,000Fg	....	59,800Fg	....	....
	352,312Y	145,262Y	7,000Y	12,861Y	Whitefish
Little Current	50,750Y2	405A	....	1,093Y2	....
	....	....	....	....	300,000EE
	....	....	....	....	240,000F

Midhurst	41,150Y	....	....	....	....
	1,250A	....	....	....	....
Normandale	....	....	45,000E	....	....
	....	....	631,500EE	....	....
	....	....	10,800Fg	....	....
	9,915Y	....	28,300Y	....	....
	....	....	29,500Y2	....	....
	....	....	5,300Y3	....	....
	....	....	8,300A	....	....
Pembroke	50F	....	....	....	....
	97,332Fg	100Fg	....	....	....
	166,384Y	....	....	....	Herring
	2,711A	....	....	....	....
Port Arthur	....	....	....	....	7,030,000EE
	....	....	....	Smallmouth	2,000,000F
	....	171,740Fg	....	....	Kokanee
Sandfield	....	....	....	98,000F	....
	....	....	....	55,500Fg	254,000F
	188,300Y	....	12,000Y	178A	Splake
Skeleton Lake	308,660Y	111,000Y	12,000Y	75,000Fg	....
	300,000EE	....	....	....	20,000EE
	15,000Fg	....	....	....	....
	205,350Y	599,000Y	10,000Y	Largemouth	116,870Y
Westport	1,720Y2	....	....	....	13A
	....	....	....	46,500F	Smallmouth
	....	....	....	21,000AF	....
	....	....	....	75,000Fg	81,450Fg
	20,550Y	53,100Y	1,000Y	Kokanee	Sturgeon
White Lake	....	....	....	1,500F	3A
	....	....	....	Walleye	....
	236,000Fg	91,600Fg	....	11,000,000EE	....
	3,825Y	....	35,000Y	28,000,000F	Kokanee
Warton	....	....	....	41,656Fg	....
	....	....	....	....	300,000EE
	....	65,000Fg	....	....	129,500F

In addition 955,000 Walleye eyed eggs were transferred to Colorado, and 1,099,800 Walleye eyed eggs were transferred to Montana from Glenora Research Station.

DISTRIBUTION OF HATCHERY FISH -----Number of Fish Planted in 000's

SPECIES	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
BASS, Largemouth .											
Fry.....	190	46	45	231	....	55	45	112	81	42	68
Fingerling.....	129	63	46	30	25	112	93	91	108	147	75
Yearling and Adult...	3	1	....	....	....	....	....	....	....	....	....
BASS, Smallmouth.											
Fry.....	468	130	89	156	230	147	134	52	58	36	98
Fingerling.....	132	133	227	178	270	177	288	239	231	216	212
Yearling and Adult...	1	5	....	1	1	....	....	....	....	....	....
BLUEGILLS											
Fingerling.....	....	....	....	....	....	....	....	....	....	....	....
Adult .....	....	....	....	....	....	....	....	....	....	....	....
CHARR, French Alpine.											
Fingerling.....	....	....	....	....	....	....	....	....	....	....	....
Yearling.....	....	2	....	....	....	....	....	....	....	....	....
Adult .....	....	5	....	....	....	....	....	....	....	....	....
CHARR, Pennsylvania.											
Fingerling.....	....	....	....	....	....	....	....	....	....	....	....
GRAYLING, Arctic.											
Yearling.....	....	....	26	....	....	....	....	....	....	....	....
HERRING											
Eyed Egg.....	1,840	....	1,068	....	....	....	....	....	....	1,150	7,030
Fry.....	....	....	....	50	....	....	....	....	....	....	2,000
KOKANEE											
Eyed Egg.....	....	....	....	....	....	....	....	....	683	923	310
Fry.....	....	....	....	....	....	....	....	....	1,609	943	385
Fingerling.....	....	....	....	....	....	....	....	....	288	....	211

MASKINONGE												
Fry.....	2,430	2,940	4,070	3,390	2,833	2,970	1,870	1,530	1,850	1,303	2,650	
Fingerling.....	39	18	50	51	75	24	27	26	25	....	12	
Adult.....	1	1	....	....	....	....	....	....	....	....	....
QUANANICHE												
Egg.....	....	....	....	....	....	53	....	....	....	....	....
Fry.....	....	....	....	....	....	....	1	15	....	....	....
Yearling.....	11	....	....	....	....	....	5	....	....	....	....
Adult.....	....	....	....	1	....	....	....	....	....	....	....
WALLEYE (Pickerel)												
Eyed Egg.....	90,565	56,245	30,875	53,790	27,065	20,500	7,200	14,000	15,600	10,000	13,055	
Fry.....	....	....	3,040	3,600	....	8,994	11,440	1,353	....	8,232	28,000	
Fingerling.....	3	....	....	....	67	201	217	....	56	....	42	
Adult.....	....	....	....	....	....	....	....	....	....	....	....
SALMON, Atlantic												
Fry.....	....	....	....	....	....	....	1	15	....	....	....
Yearling.....	....	....	....	....	....	....	5	....	....	....	....
Adult.....	....	....	....	....	....	....	....	....	....	....	....
STURGEON												
Adult.....	....	....	....	....	....	....	....	....	....	....	....
SPLAKE												
Egg.....	....	....	....	....	....	....	....	....	....	....	20	
Fingerling.....	16	....	....	....	....	....	....	....	....	....	1	
Yearling.....	16	208	135	13	97	112	114	88	21	69	119	
2 Year.....	....	....	1	....	6	....	2	12	16	....	10	
Adult.....	....	....	....	....	....	....	....	....	....	....	....
TROUT, Albino												
Yearling.....	....	....	....	....	....	....	....	4	4	....	13	
2 Year.....	....	....	....	....	....	....	....	....	....	....	1	
TROUT, Aurora												
Fingerling.....	....	....	2	2	....	1	....	....	4	....	....
Yearling.....	....	....	....	....	1	....	....	1	....	....	....

TROUT, Brown													
Egg.....	8	...	...	...	...	...	...	...	...	...	...	...	...
Fingerling....	36	22	...	1	...	...	...	...	...	...	...	...	...
Yearling.....	170	133	85	5	...	...	...	...	...	...	...	...	...
TROUT, Kamloops													
Egg.....	13	26	...	**3	...	...	...	...	...	...	...	...	...
Fry.....	...	10	...	...	...	...	...	...	...	...	...	...	...
Fingerling....	32	15	28	...	...	...	...	...	...	...	...	...	...
Yearling.....	123	95	79	...	...	...	...	...	...	...	...	...	...
Adult.....	...	32	1	...	...	...	...	...	...	...	...	...	...
TROUT, Lake													
Eyed Egg.....	...	5	...	...	...	...	...	...	...	...	...	...	50
Fry.....	...	...	40	44	...	...	...	...	...	...	...	...	12
Fingerling....	230	374	274	370	...	...	...	...	...	...	...	...	395
Yearling.....	39	832	634	715	...	...	...	...	...	...	...	...	1,336
2 Years and Up	...	9	...	8	...	...	...	...	...	...	...	...	9
TROUT, Rainbow													
Egg.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Eyed Eggs.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Fry.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Fingerling....	...	...	...	102	...	...	...	...	...	...	...	...	...
Yearling.....	...	...	...	229	...	...	...	...	...	...	...	...	...
2 Years and Up	...	...	...	...	...	...	...	...	...	...	...	...	...
TROUT, Brook													
Eyed Egg.....	200	...	580	30	...	...	...	...	...	...	...	...	...
Fry.....	91	...	...	...	...	...	...	...	...	...	...	...	...
Fingerling....	522	789	455	764	...	...	...	...	...	...	...	...	...
Yearling.....	2,677	2,079	1,807	2,052	...	...	...	...	...	...	...	...	...
2 Years and Up	10	10	84	73	...	...	...	...	...	...	...	...	...
WHITEFISH													
Eyed Egg.....	13,435	30,940	1,000	13,875	...	...	...	...	...	...	...	...	...
Fry.....	67,275	47,515	44,085	53,685	...	...	...	...	...	...	...	...	...
TOTAL.....													
	180,704	142,682	89,880	140,342	102,623	84,401	72,042	48,042	49,294	47,024	63,110		

COMMERCIAL FISHING EQUIPMENT

No. of Licences			No. of Boats			Number of Nets			No. of		No. of Sheds	Total Value \$000's
Year	Gill Nets	Total	No. of 40ft. & Over	Under 40 ft.	Gill Nets 000's yds	Pound	Trap*	Hoop	Seine Nets 00's yds	Freezers & Ice Houses		
1946	.....	.....	107	2,205	9,090	1,079	...	1,288	204	525	437	4,764
1947	.....	2,421	112	2,009	8,838	1,135	...	1,240	178	486	400	5,147
1948	.....	.....	111	1,930	8,981	1,152	...	1,324	167	477	412	5,716
1949	1,071	2,675	123	2,039	9,144	1,182	...	1,411	186	456	395	5,988
1950	1,021	2,722	116	1,966	9,064	1,214	...	1,439	177	477	425	6,679
1951	1,063	2,894	126	1,981	8,944	1,204	...	1,483	159	476	416	6,985
1952	1,124	3,115	196	1,682	9,057	1,127	359	1,564	171	462	474	8,328
1953	1,098	3,098	215	1,538	9,312	1,078	549	1,570	156	493	487	8,839
1954	1,045	3,200	214	1,407	9,248	878	709	1,578	183	482	456	9,176
1955	1,066	3,379	224	1,338	9,304	787	822	1,545	158	442	447	9,226
1956	1,032	3,470	202	1,320	8,719	784	763	1,487	140	426	437	8,891
1957	1,038	3,684	211	1,321	8,618	671	804	1,462	164	412	404	8,676
1958	1,100	4,029	212	1,270	8,898	713	731	1,441	149	464	425	9,215
1959	1,117	4,170	234	1,680	9,718	723	739	1,812	190	564	491	10,557
1960	1,089	4,176	238	1,740	9,523	744	661	1,861	196	558	516	10,124
1961	1,063	4,563	223	1,541	9,293	672	631	1,778	170	521	476	10,377
1962	1,060	4,554	218	1,533	9,344	796	597	1,767	170	525	497	9,996
1963	1,075	4,679	224	1,718	9,200	745	694	1,943	158	511	439	10,264
1964	1,088	4,786	229	1,587	9,110	873	512	1,889	157	549	493	10,131
1965	1,072	4,647	223	1,660	9,256	866	521	2,002	168	492	459	9,972
1966	1,064	5,316	229	1,419	9,489	764	493	1,820	191	465	431	10,327
1967	1,033	5,407	220	1,406	9,810	715	565	2,146	169	434	429	10,558

* Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in 000's lbs and \$000's

SPECIES	1958	1959	1960	1961	1962	1963	1964	1965	1966	Value	
										1967	1967
Bass, Rock; Crappies..	81	92	127	119	137	177	206	209	271	249	61
Bass, White.....	1,850	1,444	3,305	3,413	2,491	1,991	1,836	2,733	1,805	855	245
Bullheads.....	635	480	467	363	423	740	513	451	348	342	60
Carp.....	1,350	1,519	1,124	1,312	1,124	1,323	938	872	937	928	85
Catfish.....	330	319	321	244	314	300	287	243	273	250	57
Caviar.....	3	1	2	2	2	1	2	2	1	....	....
Chub; Tullibee.....	1,269	1,576	1,865	2,993	2,825	2,329	2,035	1,892	1,265	1,165	159
Eels.....	133	140	130	127	128	175	250	194	150	141	36
Gold Eyes.....	22	15	33	24	34	20	28	19	7	11	2
Herring; Ciscoe.....	1,917	2,947	2,227	1,853	2,630	2,374	1,993	1,603	1,184	1,935	91
Ling.....	484	432	614	638	623	615	600	404	343	487	4
Menominee, Pilots.....	26	24	63	22	31	20	70	66	58	41	7
Perch.....	16,299	19,968	12,774	18,628	21,659	18,725	9,635	19,465	21,151	22,731	2,404
Pickarel, Blue.....	833	50	5	2	....	....	....	....	....	....	....
Walleye (Pickerel)....	7,825	4,653	3,702	3,382	3,708	5,108	3,678	3,241	3,987	3,238	1,041
Pike, Northern.....	1,017	993	966	990	976	990	1,134	1,099	1,005	952	85
Saugers.....	174	112	85	105	131	136	141	76	59	82	16
Sheepshead.....	1,817	1,419	1,539	1,201	1,117	1,503	831	990	1,058	666	17
Smelt.....	4,967	7,059	11,666	13,065	19,314	10,705	12,887	11,917	16,056	12,660	508
Sturgeon.....	243	179	184	195	133	132	98	94	86	76	93
Suckers.....	1,509	1,410	1,616	1,595	1,540	1,650	1,450	1,102	1,306	1,297	23
Sunfish.....	276	225	286	271	257	358	358	249	253	359	44
Trout, Lake.....	622	522	286	181	208	254	224	178	174	302	125
Whitefish.....	3,278	3,183	3,845	3,907	3,640	3,357	3,229	3,236	2,812	2,625	741
Miscellaneous.....	212	227	163	323	337	1,359	1,086	2,154	1,754	1,513	23
TOTAL.....	47,172	48,992	47,397	54,954	63,784	54,342	43,510	52,489	56,344	52,905	\$5,927

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North Channel	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
1946	2,059	18,925	493	954	1,292	290	3,589	4,719	679	33,000	5,597
1947	2,002	12,334	466	1,107	666	267	2,830	4,802	448	24,922	4,803
1948	2,046	14,926	437	1,440	913	445	3,371	4,629	735	28,942	5,735
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607	34,061	5,497
1950	2,219	16,866	469	1,301	2,794	668	2,655	5,229	555	32,756	6,252
1951	2,411	13,114	389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
1952	2,281	17,417	792	1,736	5,359	433	3,127	6,221	678	38,044	7,417
1953	2,059	23,389	983	1,396	6,876	458	2,771	6,080	827	44,839	7,037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	6,080	712	47,679	7,013
1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615	45,636	6,783
1956	2,627	44,682	1,029	1,463	1,113	187	2,145	5,878	593	59,717	7,928
1957	1,997	37,105	1,113	988	664	191	2,797	5,764	493	51,113	7,047
1958	2,098	30,751	907	2,023	407	255	2,871	7,316	544	47,172	7,274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4,866
1960	1,958	29,219	659	3,489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341
1963	2,046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504
1964	2,015	25,381	946	3,018	735	214	2,682	7,938	582	43,510	5,230
1965	2,647	35,096	886	2,286	993	289	2,270	7,584	438	52,489	6,404
1966	1,625	41,426	939	1,958	751	209	1,846	7,010	580	56,344	5,995
1967	1,832	37,770	810	1,744	715	207	2,568	6,625	634	52,905	5,927

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Year	Bullhead & Catfish	Carp	Eels	Lake Herring	Lake Trout	Smelt	White- fish	Walleye	Other	Total Catch	Total Value
1946	288	197	35	413	102	...	398	45	581	2,059	\$ 317
1947	301	119	33	573	64	...	358	40	514	2,002	312
1948	433	208	40	480	42	...	237	30	575	2,045	290
1949	498	181	46	324	22	...	219	28	678	2,006	258
1950	520	242	29	225	15	...	419	34	735	2,219	309
1951	470	217	48	197	40	...	385	90	963	2,410	424
1952	478	253	65	111	32	225	417	103	597	2,281	393
1953	417	371	57	73	14	282	207	75	563	2,059	284
1954	376	309	78	70	7	265	228	114	467	1,914	268
1955	386	318	68	29	4	238	340	124	436	1,943	313
1956	440	616	50	38	2	269	593	121	498	2,627	429
1957	394	314	100	84	1	177	301	118	508	1,997	328
1958	353	323	129	53	1	295	340	166	438	2,098	406
1959	311	536	136	52	1	208	335	151	321	2,051	393
1960	280	310	128	74	1	188	397	126	454	1,958	355
1961	199	314	125	51	3	223	572	125	497	2,109	397
1962	203	248	125	27	1	202	355	106	483	1,750	331
1963	229	417	169	38	1	171	354	68	599	2,046	348
1964	167	270	246	38	...	128	125	66	975	2,015	285
1965	150	314	189	23	...	202	107	46	1,616	2,647	353
1966	123	302	143	36	...	141	57	44	779	1,625	220
1967	127	392	136	59	...	155	48	26	889	1,832	243

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Walleye	Other	Total Catch	Total Value
1946	1,909	9,525	2,418	.....	.....	.....	1,932	739	2,402	18,925	\$3,089
1947	1,646	2,484	2,252	.....	.....	.....	2,726	793	2,433	12,334	2,676
1948	5,742	603	1,939	.....	.....	.....	3,800	799	2,043	14,926	3,025
1949	9,784	393	2,279	.....	.....	.....	3,620	849	2,168	19,093	2,950
1950	8,611	645	2,166	.....	.....	.....	1,390	1,252	2,802	16,866	3,149
1951	3,914	323	2,758	.....	.....	.....	1,130	1,522	3,497	13,144	2,892
1952	7,267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957	23,389	3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058	28,912	3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896	30,285	3,842
1956	12,002	194	11,573	713	3,694	5,715	542	9,275	974	44,682	5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088	37,105	4,848
1958	824	62	15,410	1,727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857	31,597	2,200
1960	4	6	11,654	1,468	11,467	3,255	21	619	725	29,219	2,060
1961	1	3	17,284	1,116	12,835	3,334	9	269	847	35,698	2,507
1962	.....	2	20,859	1,037	19,108	2,349	10	284	818	44,465	2,353
1963	.....	2	17,963	1,412	10,524	1,855	11	1,875	1,659	35,301	2,530
1964	.....	2	8,351	752	12,735	1,723	3	599	1,216	25,381	2,377
1965	.....	...	18,603	898	11,711	2,611	...	346	927	35,096	3,319
1966	.....	...	20,698	940	15,914	1,757	6	991	1,120	41,426	3,105
1967	.....	...	22,087	494	12,501	822	...	747	1,119	37,770	3,340

Yield of Ontario Fisheries by Species -- LAKE HURON (PROPER) -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Yellow Perch	Sturgeon & Caviar	Suckers	White-Fish	Walleye	Other	Total Catch	Total Value
1946	89	104	30	336	7	...	158	122	108	954	\$ 151
1947	113	217	7	219	8	...	292	171	80	1,107	211
1948	188	125	10	147	6	...	538	225	201	1,440	348
1949	207	135	3	231	8	...	243	205	228	1,260	246
1950	129	128	.....	359	8	...	226	240	123	1,213	238
1951	109	116	.....	431	8	...	225	254	164	1,307	318
1952	88	107	.....	362	6	84	284	218	55	1,204	267
1953	280	71	.....	496	5	50	180	307	52	1,441	277
1954	454	44	.....	329	7	77	271	231	79	1,492	326
1955	417	54	.....	323	6	111	258	211	89	1,469	324
1956	461	39	.....	155	11	86	216	333	162	1,463	287
1957	321	20	.....	65	46	61	89	266	120	988	290
1958	624	19	.....	719	26	70	156	245	164	2,023	433
1959	1,082	13	.....	236	12	75	229	331	225	2,203	514
1960	1,302	17	.....	859	6	65	827	230	183	3,489	908
1961	2,342	17	.....	1,072	9	193	812	217	97	4,759	1,204
1962	2,180	25	.....	583	7	73	349	263	95	3,575	802
1963	1,669	8	1	539	6	77	269	225	154	2,948	651
1964	1,442	9	1	602	6	98	320	286	254	3,018	711
1965	1,083	13	1	167	4	62	407	245	304	2,286	627
1966	653	4	.....	152	3	96	348	218	484	1,958	466
1967	527	5	2	149	4	141	381	185	350	1,744	464

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Year	Carp	Chub	Lake Herring	Lake Trout	Northern Pike	Sturgeon	White- Fish	Walleye	Other	Total Catch	Total Value
1946	46	25	21	696	25	1	246	44	188	1,292	\$ 332
1947	21	21	15	368	7	...	87	21	126	666	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	1	805	206	66	1,563	465
1950	35	72	63	351	12	1	2,189	133	56	2,912	800
1951	35	74	26	480	8	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	1	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	60	4,317	1,450
1955	110	64	12	67	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	5	670	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	90	29	32	362	98
1959	22	3	3	1	6	3	49	62	52	201	61
1960	37	29	2	1	4	2	57	40	47	219	61
1961	13	31	1	1	6	1	96	33	19	201	61
1962	21	82	1	.....	10	2	130	61	41	348	95
1963	66	104	1	.....	12	2	207	99	64	555	164
1964	24	121	2	.....	11	3	232	93	249	735	190
1965	10	409	2	.....	11	2	171	72	316	993	234
1966	21	286	3	.....	7	1	157	41	235	751	171
1967	38	227	5	.....	16	2	148	61	218	715	167

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Menominee	Sauger	Sturgeon	White- Fish	Walleye	Other	Total Catch	Total Value
1946	33	1,511	1,531	...	...	2	275	120	117	3,589	\$ 639
1947	33	1,017	1,286	...	...	1	246	155	92	2,830	503
1948	30	1,295	1,447	...	...	1	306	116	176	3,371	675
1949	12	1,255	1,356	...	...	1	277	125	162	3,188	561
1950	29	505	1,506	...	...	1	341	145	138	2,655	626
1951	45	763	1,273	...	...	2	341	200	227	2,851	641
1952	94	993	1,389	16	124	2	268	163	78	3,127	661
1953	88	745	1,371	8	38	4	282	158	77	2,771	590
1954	91	920	1,266	6	72	5	328	135	67	2,890	565
1955	312	708	1,003	6	49	6	254	130	72	2,540	523
1956	112	821	527	12	69	3	303	186	112	2,145	389
1957	148	1,696	324	12	57	6	285	217	52	2,797	344
1958	125	1,744	366	11	100	6	287	164	68	2,871	376
1959	117	2,833	238	17	68	5	210	271	91	3,850	377
1960	103	2,117	122	54	19	11	99	249	54	2,828	270
1961	81	1,777	48	7	38	8	119	227	48	2,353	214
1962	69	2,570	70	10	52	3	148	174	50	3,146	239
1963	81	2,319	112	11	63	2	161	167	57	2,973	271
1964	42	1,935	106	56	59	1	133	216	134	2,682	249
1965	63	1,553	102	18	18	2	135	291	88	2,270	283
1966	12	1,135	108	8	8	2	134	377	62	1,846	327
1967	8	1,854	202	6	22	3	150	274	49	2,568	351

Yield of Ontario Fisheries by Species --NORTHERN INLAND -- in 000' s lbs and \$000' s

Year	Goldeye	Lake Trout	Northern Pike	Sauger	Sturgeon & Caviar	Tullibee	White-Fish	Walleye	Other	Total Catch	Total Value
1946	...	148	744	..	146	162	1,417	1,621	481	4,719	\$ 896
1947	...	151	898	11	136	138	1,156	1,688	624	4,802	777
1948	28	144	806	6	145	139	1,268	1,636	457	4,629	905
1949	50	94	909	..	139	169	1,627	1,706	560	5,254	764
1950	84	106	784	..	122	170	1,738	1,597	628	5,229	881
1951	114	110	915	28	99	210	1,733	1,801	718	5,728	1,035
1952	102	172	965	31	137	241	1,759	1,847	967	6,221	1,072
1953	34	133	831	48	105	329	1,604	1,606	1,390	6,080	795
1954	87	120	1,008	37	81	243	1,674	1,568	1,262	6,080	789
1955	6	110	824	44	71	192	1,497	1,437	1,446	5,627	732
1956	84	62	773	46	71	274	1,643	1,593	1,332	5,878	823
1957	31	153	820	29	83	184	1,658	1,572	1,234	5,764	815
1958	22	244	923	58	149	411	1,855	2,048	1,606	7,316	1,039
1959	15	282	923	40	114	373	2,203	2,323	1,344	7,617	1,090
1960	33	161	878	58	121	430	2,409	2,258	1,886	8,234	1,035
1961	24	129	842	61	119	539	2,180	2,262	1,810	7,966	1,019
1962	34	137	850	78	80	494	2,544	2,539	1,816	8,572	1,171
1963	20	140	887	72	81	475	2,320	2,315	2,130	8,440	1,170
1964	28	117	1,033	78	58	430	2,324	2,047	1,823	7,938	1,047
1965	19	74	1,029	58	55	336	2,378	1,954	1,681	7,584	1,230
1966	7	66	935	51	44	315	1,976	2,048	1,568	7,010	1,314
1967	11	98	863	57	25	402	1,785	1,739	1,645	6,625	1,002

FOREST PROTECTION BRANCH

The first forest protection legislation was placed in the Ontario Statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire". This Act led to the establishment in 1885 of Ontario's first system of fire ranging. This became the first working system of organized forest fire protection in North America.

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the "father of forest protection". His extensive report on forest fire losses on March 30th, 1885, resulted in the establishment of the forest protection system under the Woods and Forests Branch in 1885.

Under this system fire rangers were appointed and placed on licensed Crown Lands with the expenses shared by the Crown and Licensees. In the annual report for 1886, Mr. White stated: "Last year was the first year of an experiment which was found to work in a satisfactory manner to the Department as well as to the licensees .. the net expense to the province was under \$8,000. Mr. White asked for \$8,000. for his new budget.

In 1900 the Act was amended to provide for placing fire rangers on unlicensed Crown Lands at public expense. The amendment also required the appointment of fire rangers on licensed areas whether requested by the licensee or not, one half of the costs to be borne by the Department and one half by the licensee. This was a major step in that all Crown Lands became subject to forest fire regulations.

In 1910 Licensees were assessed full costs of fire ranging on limits. The Crown Timber Act of 1917 established the fire tax, an annual per-acre protection charge on Crown Lands.

Following disastrous fires in 1916, The Forest Fires Prevention Act was amended in 1917 to provide greater control over the use of fire and became the basis of present legislation.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position filled by E.J. Zavitz. In 1924, the Provincial Air Service was established.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively.

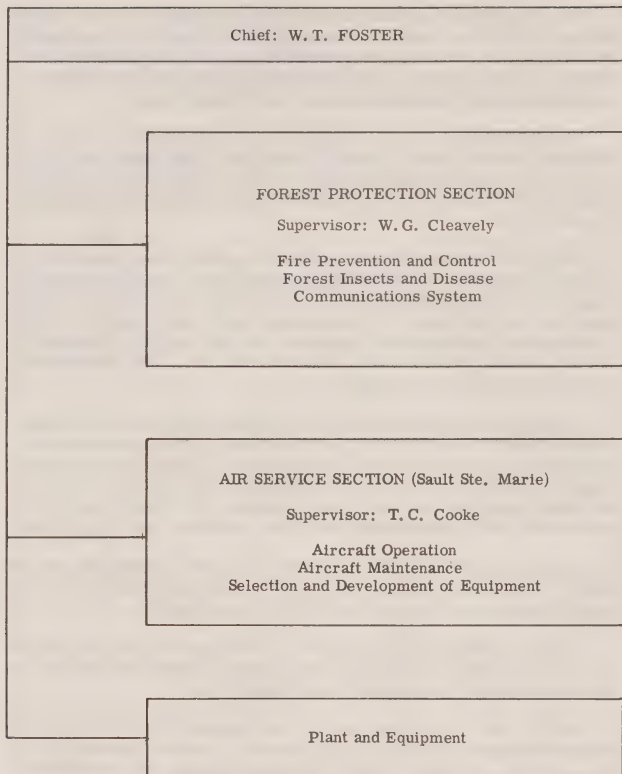
T. E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957.

J. M. Whalen was appointed Chief on June 14, 1963.

W. T. Foster was appointed Chief on November 20, 1967.

FOREST PROTECTION BRANCH



FOREST PROTECTION SECTION

Beginning in 1885 there has been a long record of achievement in forest protection.

In 1917 the process of mechanizing fire control began with the acquisition of four portable fire pumps. A new era in fire detection started with the erection of a number of steel lookout towers in 1922. This same year, aircraft were also used for the first time specifically for detection of fires and transportation of fire fighters.

The first organized radio communication was established in 1927 in the Red Lake area following earlier experimental use at Sudbury in 1924. In 1935 V. H. F. radio equipment was installed in towers. In 1939 several aircraft were fitted with radio. By 1949 the province-wide network was completed with the "key" station at Maple.

The first aircraft water bombing experiments were carried out in 1944 followed by subsequent improvements in 1945, 1950, 1957 and 1966 advancing the technique to its present important application in fire control.

A helicopter was used in 1946 for the first time for forest protection purposes; by 1953 helicopters were in regular use.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

The bad fire years of 1955 and 1961 resulted in modern large scale attack on fires featuring careful co-ordination over wide areas, high mobility of resources and extensive use of aircraft.

In 1962 a comprehensive new fire control training program was established in Ontario, setting new standards in fire fighting efficiency.

Starting in 1964, special Indian Fire fighting crews were organized, trained and stationed at strategic centers.

Experiments in the use of infrared and other electronic fire detection methods were initiated in 1962. In August, 1966, the first actual forest fire was detected by an infrared aerial scanner mounted on a Turbo-Beaver aircraft.

The Forest Protection Section administers forest fire control, pest control and the Department's communications and plant and equipment programmes.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

ESTIMATED FIRE DAMAGE

Year	TIMBER DAMAGE (000's Cu. Ft.)			TIMBER DAMAGE (Crown Dues, Only)			DAMAGE TO REPRODUCTION			TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total		
1950	1,624	1,937	3,561	\$ 16,244	\$19,365	\$ 35,609	\$ 8,611	\$10,927	\$ 19,538	\$ 55,148	\$103,682
1951	29,401	188	29,590	294,015	1,880	295,895	92,431	1,121	93,552	389,447	56,389
1952	1,401	577	1,978	14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,671,857	5,870	2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,868,133	2,118	2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	680	42	722	13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960	21,293	123	21,416	425,860	2,470	428,330	8,357	1,427	9,784	438,094	56,442
1961	1,595,447	750	1,596,196	31,908,935	14,993	31,923,928	62,187	3,687	65,874	31,989,802	152,638
1962	2,440	83	2,523	48,794	1,669	50,462	10,740	13,546	24,285	74,748	99,165
1963	14,907	194	15,101	.....	.....	484,334	.....	.....	222,555	706,888	39,932
1964	10,052	279	10,330	.....	.....	351,130	.....	.....	149,166	500,296	19,792
1965	.....	.....	2,158	.....	.....	235,325	.....	.....	151,525	386,850	254,105
1966	891	15	906	34,221	561	34,782	.....	.....	36,739	71,521	49,457
1967	.....	...	19,400	.....	...	658,209	.....	.....	608,072	1,353,919	87,638

FOREST FIRE SUMMARY

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1917	.....	.....	384,164	1,110	346
1918	.....	.....	30,172	965	31
1919	.....	.....	922,161	1,780	518
1920	.....	.....	358,851	1,287	279
1921	.....	.....	749,534	1,269	591
1922	.....	.....	346,193	1,021	339
1923	.....	.....	2,120,148	1,343	1,579
1924	.....	.....	146,017	851	171
1925	.....	.....	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965	14,995	4,909	19,904	1,218	16

FOREST FIRE SUMMARY (Continued)

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1966	8,453	5,962	14,415	1,921	6
1967	58,733	4,769	63,502	1,465	43
1968*	2,665	6,796	9,461	1,219	8

1968 SUMMARY*

FOREST DISTRICT	Total Acres	Number Of Fires	Acres Per Fire
Chapleau.....	27	19	1
Cochrane.....	1,445	28	52
Fort Frances.....	160	16	10
Geraldton.....	32	29	1
Kapuskasing.....	192	52	4
Kemptville.....	13	12	1
Kenora.....	609	92	7
Lake Erie.....	...	...	..
Lake Huron.....	16	11	1
Lake Simcoe.....	48	21	2
Lindsay.....	468	86	5
North Bay.....	909	113	8
Parry Sound.....	635	144	4
Pembroke.....	1,101	130	8
Port Arthur.....	240	46	5
Sault Ste. Marie.....	96	32	3
Sioux Lookout.....	103	38	3
Sudbury.....	1,166	121	9
Swastika.....	938	66	14
Tweed.....	1,209	140	8
White River.....	44	23	2
Totals	9,461	1,219	8
MONTHS			
March.....	75	6	12
April.....	4,155	394	11
May.....	4,727	454	10
June.....	45	66	1
July.....	243	164	1
August.....	124	107	1
September.....	11	16	1
October.....	3	5	1
November.....	78	7	11

*Preliminary Report to December 1, 1968.

CAUSES OF FOREST FIRES

GENERAL CAUSES	1964	1965	1966	1967	1968*
Recreation.....	601	404	719	567	356
Resident.....	244	204	223	203	262
Incendiary.....	36	15	18	23	32
Railways.....	75	118	117	176	141
Industry (Forest).....	19	20	15	10	18
Industry (Other).....	56	54	73	38	44
Miscellaneous (Known).....	198	191	205	236	270
Unknown.....	9	10	12	14	17
Lightning.....	591	202	539	198	79
TOTAL, Fires.....	1,829	1,218	1,921	1,465	1,219

SOURCE OF IGNITION

CAUSE OF FOREST FIRE	1964	1965	1966	1967	1968*
Smoking Material	476	329	510	442	325
Camp Fire.....	246	149	302	219	117
Matches.....	110	117	153	120	127
Fireworks.....	18	55	35	31	25
Explosives.....	..	2	2	2	1
Fusee.....	8	5	6	13	2
Prescribed Burning....	4	..	2	9	..
Dump Live Ashes, Coals	5	..	2	3	8
Burning Grass.....	50	45	33	47	76
Burning Brush.....	47	29	42	26	42
Burning Rubbish.....	60	52	46	56	70
Burning Garbage Dump..	33	34	48	31	49
Burning Bulld'zd Pile..	4	5	4	5	7
Burning Sawdust Pile..	1	2	4	3	..
Burning Ties.....	3	2	6	8	..
Burning Right of Way..	17	9	11	5	15
Locomotive, Diesel....	14	29	14	61	33
Locomotive, Steam.....	..	..	..	1	..
Brake Shoe.....	8	40	56	59	72
Hot Box.....	1	..	..	1	3
Power Saw.....	2	3	4	5	1
Mechanical Equipment..	13	14	16	11	12
Power Line (Short)....	29	21	10	10	26
Sparks from Chimney...	9	7	2	11	6
Sparks from Burner....	3	7	2	5	3
Structural Fire.....	26	18	29	16	29
Miscellaneous (Known).....	..	8	15	20	27
Unknown.....	51	34	28	47	64
Lightning.....	591	202	539	198	79
TOTAL, Fires.....	1,829	1,218	1,921	1,465	1,219

* Preliminary Report to December 1, 1968.

CAUSES OF FOREST FIRES

RESPONSIBLE GROUPS	1964	1965	1966	1967	1968*
RECREATION					
Fisherman.....	221	164	256	205	120
Hunter.....	81	10	40	47	17
Canoeist.....	16	6	4	5	8
Camper.....	58	27	77	49	30
Picnicker.....	20	21	21	14	9
Berry Picker.....	50	40	107	82	21
TRAVELLER					
Car Passenger.....	92	75	125	117	124
Hiker.....	53	32	52	40	29
Train Passenger.....	26	2	23	1	2
Guided Party.....	4	..	..	2	..
RESIDENT					
Farmer.....	45	22	29	24	50
Rural Resident.....	97	99	71	115	129
Urban Resident.....	12	24	17	24	12
Private Cottager.....	63	34	47	39	46
Resort Owner.....	11	2	9	4	9
Indian (on Reserve)..	13	9	9	11	14
VOCATION					
Trapper.....	1	1	..	2	5
Prospector.....	1	5	1	3	2
Timber Cruiser.....	..	..	..	..	..
Land Survey Party....	1	2	2	1	..
Military.....	2	..	1	..	1
EMPLOYEE OF:-					
Woods Industry.....	19	18	14	14	18
Mining.....	1	7	8	1	6
Pipeline.....	1	..	1	..	..
Hydro.....	37	17	21	4	6
Telephone.....	1	3	..	..	1
Highway or Road.....	6	7	3	5	8
R.R. Section Crew....	21	12	11	15	16
R.R. Train Crew.....	31	80	62	131	115
R.R. Work Crew.....	5	12	10	12	5
Other Industry.....	11	6	12	15	11
Lands and Forests....	1	1	3	1	1
Other Prov. Govt....	1	1	..	..	..
Federal Government...	1	..	2	..	1
Municipality.....	14	7	11	7	5
MISCELLANEOUS					
Children.....	121	198	212	156	164
Youth Groups.....	15	8	2	8	10
Miscellaneous (Known)	..	11	24	28	49
Unknown.....	85	53	95	85	96
TOTAL, Man-Caused Fires	1,238	1,016	1,382	1,267	1,140
Percentage of All Fires	68	83	72	87	94

*Preliminary Report to December 1, 1968.

DETECTION OF FOREST FIRES

MEANS OF DETECTION	1964	1965	1966	1967	1968*
Lands & Forests Towers..	611	417	560	354	275
Outside Agency Tower....	..	..	2	2	..
Lands & Forests Aircraft	178	66	189	161	53
Commercial Aircraft.....	55	46	123	65	19
Private Aircraft.....	34	3	13	17	6
Lands & Forests Personnel	116	67	96	93	93
Other Prov.Govt. Employees	41	35	68	44	35
Public.....	794	584	872	729	738
TOTAL, Fires.....	1,829	1,218	1,921	1,465	1,219

SIZES OF FOREST FIRES

AREA BURNED OVER	1964	1965	1966	1967	1968*
Up to 1/4.....Acres	845	572	998	630	481
Over 1/4 to 10.....Acres	829	560	834	712	602
Over 10 to 100.....Acres	122	70	70	99	118
Over 100 to 500.....Acres	22	13	14	16	17
Over 500.....Acres	11	3	5	8	1
TOTAL, Fires.....	1,829	1,218	1,921	1,465	1,219

PROSECUTIONS	1964	1965	1966	1967	1968*
Prosecutions.....	22	37	28	31	41
Convictions.....	22	34	26	27	36

*Preliminary Report to December 1, 1968.

FOREST PROTECTION PERMITS

Year	Fire Permits	WORK PERMITS		TRAVEL PERMITS	
		Permits	Men	Permits	Persons
1926	13,466	.....	.....	.....	.....
1927	13,593	.....	.....	6,548	15,669
1928	13,611	.....	.....	15,406	42,566
1929	14,038	.....	.....	20,738	51,443
1930	15,094	.....	.....	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	.....	.....	9,774	28,606
1936	18,964	.....	.....	8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,471
1961	20,956	4,631	47,916	108,108	393,510
1962	22,298	4,590	42,375	108,771	366,985
1963	23,523	4,358	40,028	111,960	271,799
1964	23,210	4,193	39,136	86,567	300,354
1965	22,560	4,528	41,848	77,442	256,157
1966	25,021	4,103	38,241	86,525	316,479
1967	28,189	4,366	40,551	68,829	243,167

REPORT OF MAJOR EQUIPMENT as of March 31, 1968

LOCATIONS	Portable Pumps	Fire Hose 00's	Blank- ets	Tents	Sleep- ing Bags	Bin- ocu- lars	Canoes	Not Mtr.	Boats In- bd.	Out Board Motors	Motor Vehi- cles	Trail- ers	Trac- tors	Railway Mtr. Cars	*S	*V	*B
Chapleau.....	39	268	2,638	118	58	22	50	13	nil	30	31	9	5	nil	4	nil	nil
Cochrane.....	50	375	2,278	149	76	36	41	14	3	54	35	14	6	nil	6	nil	nil
Fort Frances.....	38	223	1,363	101	105	24	35	32	3	40	25	14	4	nil	6	nil	nil
Geraldton.....	57	639	1,460	175	80	30	39	22	3	41	45	12	7	4	5	nil	nil
Gogama.....	35	256	307	61	41	21	41	16	nil	25	22	7	7	4	5	nil	nil
Kapuskasing.....	41	326	1,652	129	35	30	42	11	nil	43	34	14	6	6	5	nil	nil
Kemptville.....	14	248	414	8	27	19	3	29	1	24	30	26	18	nil	6	nil	nil
Kenora.....	62	345	1,752	132	98	25	43	32	3	40	51	15	13	nil	5	nil	nil
Lake Erie.....	10	108	262	1	7	38	2	23	7	23	37	19	12	nil	nil	nil	nil
Lake Huron.....	14	214	307	6	7	27	7	18	1	19	48	13	11	nil	3	nil	nil
Lake Simcoe.....	28	356	322	9	13	48	6	31	nil	37	63	23	30	nil	9	nil	nil
Lindsay.....	49	311	1,258	40	39	31	27	43	nil	52	67	35	21	nil	9	nil	nil
North Bay.....	44	310	1,211	128	96	33	69	43	nil	55	49	10	5	nil	9	nil	nil
Parry Sound.....	42	361	1,800	68	95	33	45	50	2	59	52	19	6	nil	nil	nil	nil
Pembroke.....	45	271	1,258	147	116	22	65	43	nil	56	56	20	11	5	1	nil	nil
Port Arthur.....	73	447	2,398	193	146	38	61	27	nil	45	48	16	11	nil	2	nil	nil
Sault Ste. Marie.	68	761	3,176	183	138	25	60	26	4	46	66	24	13	2	9	nil	2
Sioux Lookout....	70	413	2,572	235	96	19	57	24	1	68	34	10	2	nil	9	nil	nil
Sudbury.....	60	941	3,128	127	94	39	36	29	3	47	46	16	4	1	7	nil	nil
Swastika.....	45	255	1,241	90	135	26	37	33	nil	29	37	22	7	nil	3	nil	nil
Tweed.....	37	307	943	54	46	43	13	47	1	59	57	22	9	nil	10	nil	nil
White River.....	41	275	1,959	101	45	17	47	18	nil	34	27	13	3	2	3	nil	nil
North-Western....	58	201	1,143	56	1,034	nil	2	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
North-Eastern....	89	425	1,009	185	5	nil	1	1	nil	2	1	nil	nil	nil	nil	nil	nil
Southern.....	nil	nil	3	1	17	nil	nil	nil	nil	nil	6	1	3	nil	nil	nil	nil
O.F.T.S.***	7	35	144	2	1	3	22	6	nil	7	4	3	4	nil	1	nil	nil
Head Office****	12	nil	3	120	nil	59	66	42	nil	70	57	15	10	nil	7	nil	nil
TOTALS	1,128	8,651	34,672	37,079	2,619	2,650	708	917	673	32	1,005	392	228	31	124	nil	2

*S- Snow Vehicles; V-Velocipedes; B- Barges. **Ontario Forest Technical School. ***Includes Research Branch and Air Service Section.

MAJOR EQUIPMENT As of March 31st

	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Portable Power Pumps	1,215	1,255	1,396	1,271	1,225	1,201	1,145	1,117	1,053	1,115	1,080	1,128
Portable Hand Pumps.	7,899	8,712	8,336	8,344	8,237	7,977	8,159	7,873	7,865	7,568	7,560	8,651
Hose (000's Feet)...	3,312	3,890	3,551	3,712	3,664	3,483	3,230	3,424	3,212	3,517	3,389	3,467
Tents.....	2,469	2,438	2,488	2,391	2,433	2,618	2,542	2,618	2,502	2,510	2,552	2,619
Sleeping Bags.....	1,538	1,597	1,671	1,739	1,750	1,780	1,828	1,764	1,876	1,705	1,811	2,650
Blankets.....	29,288	29,505	29,024	30,540	31,946	33,756	36,075	37,033	38,071	39,896	36,978	37,079
Binoculars.....	609	615	647	659	661	668	691	676	718	813	779	708
Canoes.....	1,073	1,052	1,005	954	930	922	868	859	816	878	897	917
Boats (Outboard)....	459	493	519	534	538	568	570	584	652	584	671	673
Motors (Outboard)...	771	800	785	809	807	834	837	841	884	910	983	1,005
Boats (Inboard).....	60	59	48	44	42	31	40	38	33	38	32	32
Barges and Scows....	4	6	7	6	9	6	5	5	6	3	3	2
Trucks and Autos....	751	861	918	905	945	949	967	988	979	1,006	1,070	1,025
Trailers.....	166	205	249	263	277	282	302	305	325	346	376	392
Tractors.....	134	312	186	184	194	198	214	211	216	181	210	228
Railway Motor Cars...	46	44	44	42	41	42	38	36	35	31	27	31
Velocipedes.....	24	24	22	20	18	16	16	14	13	4	1	....
Snowmobiles.....	10	14	10	13	14	16	22	29	40	43	79	124
Radio Sets, Stations	899	1,047	1,140	1,294	1,564	1,846	1,885	2,134	2,247	2,400	2,605	2,705
Steel Towers.....	292	302	308	315	318	323	323	323	323	323	323	323

DEPARTMENT RADIO STATIONS

DISTRICT	STATION	CALL SIGN	NORMAL OPERATING FREQUENCIES	
			H.F. Kc/s	V.H.F. Mc/s
FORT FRANCES	Fort Frances	XLN21	4460	46.62
	Lac La Croix	XLN22	"	"
	Atikokan	XLQ71	"	"
	Rainy River	XLR59	"	"
	French Lake	XMN23	"	"
	Nym Lake	XLN234	"	"
	Cache Bay	XLN233	"	"
	Prairie Portage	XLN232	"	"
	Cabin 16	XLN29	"	"
	Beaverhouse Lake			
	Cabin	XLN275	"	"
	Sandpoint Lake	XLN25	"	"
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32	"	"
	Sioux Narrows	XLR42	"	"
	Dryden	XLN35	"	"
	Nestor Falls	XLN24	"	"
	Vermillion Bay	XLS87	"	"
	Cedar Lake	XLQ75	"	"
SIOUX LOOKOUT	Sioux Lookout	XLN37	4460	46.86
	Red Lake	XLN43	"	"
	Pickle Lake	XLN38	"	"
	Ear Falls	XMN50	"	"
	Big Trout Lake	XLR62	"	"
	Ignace	XLN23	"	"
PORT ARTHUR	Port Arthur	XLN45	4580	46.70
	Shebandowan	XLN47	"	"
	Upsala	XLN217	"	"
	Saganaga Lake	XLN218	"	"
	Dorion	XMN78	"	"
	Armstrong	XLN40	"	"
	Sibley Park	XLN285	"	"
	Nipigon	XLN293	"	"
	Marks Lake	XLN294	"	"
	Madelaine Lake	XLN295	"	"
GERALDTON	Geraldton	XLQ35	4580	46.78
	Pays Plat	XLN56	"	"
	Nakina	XLS53	"	"
	Longlac	XLS52	"	"
	Macdiarmid	XLN49	"	"
WHITE RIVER	White River	XLQ78	4880	46.62
	Wawa	XLN63	"	"
	Manitouwadge	XMN25	"	"
	Cupa (Copper) Lake	XLQ83	"	"
	Hobon Lake	XLN62	"	"
	Mijin Lake	XLQ24	"	"
	Obatanga Park			
	White Lake			
	Red Rock	XLN64	"	"
	Agawa Bay	XLQ43	"	"

SAULT STE. MARIE	Sault Ste. Marie	XLN58	4880	46.78
	Blind River	XLN65	"	"
	Ranger Lake	XLN261	"	"
	Elliot Lake	XLN264	"	"
	Peshu Lake	XLQ41	"	"
	Pancake Bay	XLR39	"	"
	Kirkwood	XLP44	"	"
	Christman Lake			"
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanabie	XLR52	"	"
	Sultan	XL073	"	"
	Biscotasing	XLN80	"	"
	Unegam Lake	XLN205	"	"
	Racine	XMN77	"	"
	Wrong Lake	XLP46	"	"
	Foleyet	XLN84	"	"
SUDBURY	Sudbury	XLN77	4880	46.86
	Skead	XLQ80	"	"
	Espanola	XLQ44	"	"
	Jamot	XLR30	"	"
	Massey	XLR29	"	"
	Windy Lake	XLR67	"	"
	Southbaymouth	XLS86	"	"
	Sandfield	XLR68	"	"
	Stinson	XLN239	"	"
	Fairbank Lake	XLN39	"	"
	George Lake	XLS85	"	"
	Little Current	XMN24	"	"
	Panache Lake	XLN279	"	"
	Gogama	XLN78	"	"
	Marne Lake	XLN283	"	"
	Sauble Lake		"	"
KAPUS- KASING	Kapuskasing	XLP78	4535	46.86
	Hearst	XLN69	"	"
	Hornepayne	XLN73	"	"
	Oba	XLN74	"	"
	Nagogamisis Lake	XLN237	"	"
	Remi Lake Park	XLN288	"	"
	Rogers Township	XLR71	"	"
COCHRANE	Cochrane	XLQ37	4535	46.82
	Timmins	XLN70	"	"
	Eades	XLN71	"	"
	Wade Lake	XLQ45	"	"
	Moosonee	XMN43	"	"
	Smooth Rock Falls	XLQ76	"	"
	Kettle Lakes Park	XLN209	"	"

SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake	XLN72	"	"
	Matheson	XLS54	"	"
	Larder Lake	XLN95	"	"
	Matachewan	XLN60	"	"
	Gowganda	XL090	"	"
	Hills Lake	XL089	"	"
	Englehart	XLR64	"	"
	Burt Twp. Nursery	XLN212		"
NORTH BAY	North Bay	XLN266	4520	46.78
	Temagami	XLN81		"
	Lady Evelyn Lake	XLN42		"
	McConnell Lake	XLN246		"
	Bear Island	XLN251		"
	Haddo	XLP45		"
	Samuel de Champlain	XLN270		"
	Marten River	XLN274		"
PEMBROKE	Pembroke	XLN92	4775	46.82
	Stonecliffe	XLN94	"	"
	Whitney	XLQ43	"	"
	Achray	XLQ47	"	"
	Round Lake	XLR40	"	"
	Kiosk	XLN50	"	"
	Sasajewun Lake	XLN51	"	"
	Maria		"	"
PARRY SOUND	Parry Sound	XLN89	4520	46.62
	Loring	XLN93		"
	Powassan	XMN35		"
	Byng Inlet	XLS24		"
	Dorset	XMN34		"
	Bracebridge	XMN75		"
	Arrowhead Park			"
	Restoule Lake Park			"
	Grundy Lake Park			"
	Killbear Park			"
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50		"
	Palmer Rapids	XLR41		"
	Dacre	XLS23		"
	Plevna	XLN53		"
	White Lake	XLP75		"
	Napanee	XLQ31		"
	Bon Echo Park	XLN286		"
	Outlet Park	XL098		"
	Kingston	XLP33		"
LINDSAY	Lindsay	XLR57	4775	46.78
	Minden	XLQ70		"
	Gooderham	XMN27		"
	Orono	XMN29		"
	Haliburton	XLR43		"
	Presqu'ile Park	XLN46		"

LINDSAY (Continued)	Apsley	XMN44	4775	46.78
	Forest Tech. School	XLN25	"	"
	Darlington Park	XLN280		"
	Balsam Lake Park	XLN289		"
KEMPTVILLE	Kemptville	XMN41	4775	46.62
	La Rose	XMN51		"
	Westport	XLQ54		"
	Fitzroy Park	XLN272		"
	Lanark	XL087		"
	Alexandria	XLQ28		"
LAKE ERIE	Aylmer	XL052		46.62
	Holiday Beach Park	XLN267		"
	Wheatley	XLN268		"
	St. Williams	XMN28	4520	"
	Rondeau Park	XLR60		"
	Pinery Park	XLP90		"
	Dunnville (Rock Pt. Pk.)	XLQ29		"
LAKE SIMCOE	Maple	XLP22		46.82
	Coldwater	XMN36		"
	Severn Falls	XMN37		"
	Honey Harbour	XMN39		"
	Six Mile Lake	XLR85		"
	Angus	XLN269		"
	Sibbald Point Park	XLN284		"
	Bass Lake Park	XLN287		"
	Earl Rowe Park	XLN307		"
	Vivian County Forest	XLN306		"
LAKE HURON	Hespeler	XLN271		46.70
	Miller Lake	XLN276		"
	Owen Sound	XLN41		"
	Inverhuron Park	XLN61		"
	Sauble Falls Park			"
HEAD OFFICE Toronto	Island Airport	XL053	4775	46.82
	Maple Laboratory	XLN20	"	"
	Maple	XLP22	3376	46.62
			4520	46.70
			4535	46.74
			4775	46.78
			4880	46.82
			5170	46.86
			5499	

Maple frequently uses 5170 and 9172 Kc/s to communicate with most distant District Offices. Maple answers aircraft on the same frequency as the call, unless otherwise requested.

PROVINCE-WIDE FREQUENCIES (FIRE)

H.F.-- 3376 Kc/s.
V.H.F.--46.74 Mc/s.

DEPARTMENT OF TRANSPORT AIRCRAFT FREQUENCIES

360 channels between 118 and 135.95 Mc/s, inclusive, in increments of 50 Kc/s.

NEW POLICIES

AIR SERVICE SECTION

In 1924 the Air Service was formed with the purchase of twenty HS2L flying boats. W. Roy Maxwell was appointed first director. Bases and fuel caches were established at strategic points. A total of 2500 hours were flown the first year.

The more important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. The success of these aircraft in Ontario has led to their world-wide acceptance.

In spite of difficult flying conditions, only 26 aircraft have been written off. The last flying fatality occurred in May, 1952. There have been a total of 24 fatalities involving Air Service operations.

In recent years aircraft have been lost in service at Geraldton in 1950; Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; Ear Falls in 1959 and Kenora in 1961.

Development of aerial water bombing equipment has been carried out since 1944. The latest system is contained within the aircraft floats and incorporates a variable load feature and provision for mixing gelgard, a chemical water thickener. This system has been installed on ten Otters, 28 Turbo Beavers and one Twin Otter in 1967.

In 1965 an aircraft modernization programme was initiated with the purchase of six new Turbo-Beavers. A total of twenty-eight have been acquired, replacing standard Beavers which have been sold. Two Twin Otters have been acquired.

The Section currently operates and maintains a fleet of 40 aircraft to meet flying requirements of the Department and special needs of other Government Departments.

Air Service Summary -- HOURS FLOWN in years ending March 31st

YEAR	Fire Ranging	Timber	Fish and Wildlife	Surveys	Lands	Parks	*Research	Inter- Dept.	Photo	Mercy Flights	Miscel- laneous	TOTAL
1924- 1949	88,732	4,182	2,985	...	...	...	1,030	...	1,415	361	75,674	174,378:35
1950	6,925	605	1,645	...	110	...	...	278	...	...	3,968	13,530:45
1951	4,210	938	2,029	...	283	...	303	232	...	64	2,998	11,057:10
1952	5,498	903	2,086	...	153	...	360	188	273	168	3,171	12,800:20
1953	5,278	674	1,980	97	149	...	266	150	280	56	2,959	11,888:50
1954	6,302	982	1,972	124	376	...	386	574	186	53	2,609	12,564:10
1955	5,095	1,048	2,362	181	246	...	284	398	244	34	2,497	12,388:30
1956	11,396	835	2,333	128	181	...	192	458	130	55	2,077	17,785:10
1957	5,347	986	2,289	72	180	...	199	384	148	34	2,053	11,692:20
1958	5,652	801	2,837	23	190	...	212	327	24	44	2,086	12,506:20
1959	4,275	876	3,615	15	200	272	189	421	...	39	2,376	12,277:35
1960	4,053	883	3,569	11	209	345	228	475	...	42	2,169	11,984:00
1961	4,914	965	3,455	4	267	255	200	470	...	72	1,967	12,568:30
1962	7,130	799	3,628	...	260	266	170	370	...	33	1,830	14,485:45
1963	4,169	923	3,862	...	230	386	201	454	...	20	2,297	12,541:45
1964	5,837	1,125	3,876	8	301	476	205	560	...	24	2,389	14,801:00
1965	4,467	1,267	3,579	...	271	347	239	350	...	25	2,702	13,247:15
1966	3,243	1,088	3,443	...	418	282	255	396	...	22	3,603	12,750:00
1967	4,148	1,267	3,762	...	470	298	364	562	...	25	3,857	14,752:40
1968	4,250	1,219	4,076	...	459	568	322	622	...	17	4,272	15,805:10
Total:190,921	22,366	59,383	663	4,952	3,805	5,605	7,669	2,700	1,188	127,553	426,805:50	

*Research Includes Entomology.

Hours Flown by **HELICOPTERS** (Leased and Contract)
in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,098:50
1966	937	142	136	193	1,408:50
1967	1,643	102	154	295	2,193:40
1968	1,205	163	261	485	2,114:30

Hours Flown by **COMMERCIAL AIRCRAFT** (Leased)
in years ending March 31st.

1967	1,565	22	200	127	1,913.40
1968	3,331	50	430	162	3,973:10

AIR SERVICE SUMMARY

in years ending March 31st

YEAR	Mercy Flights	Passengers Carried	Personnel Carried	Effective Loads Carried	
				Tons	Pounds
1924- 1949	..	165,583	89,206	27,233	1,067
1950	..	30,687	5,918	3,982	76
1951	..	27,140	5,140	3,366	1,111
1952	..	30,439	5,410	3,663	1,616
1953	..	25,900	5,346	3,078	1,262
1954	..	31,109	7,245	3,918	605
1955	..	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4,871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
1966	15	28,409	4,983	4,998	507
1967	17	31,013	5,689	6,600	64
1968	15	32,388	6,376	8,736	1,856
Total	..	744,478	193,332	122,509	573

AIRCRAFT SERVICE RECORD, March 31, 1968

50 AIRCRAFT	Year Purchased	Effective Loads Carried (Tons) 1967-68	FLYING HOURS	
			1967-68	1924-68
14 BEAVER				
CF-0BS	1948	146	248:45	7,096:50
CF-0CE	1949	36	324:30	6,601:50
CF-0CG	1949	28	268:00	5,037:30
CF-0CH	1949	91	329:15	5,850:40
CF-0CL	1949	36	234:15	5,088:05
CF-0CV	1950	52	185:00	5,387:45
CF-0DA	1951	23	143:40	4,512:20
CF-0DB	1951	78	296:20	5,834:15
CF-0DC	1951	69	337:35	6,772:35
CF-0DD	1951	75	293:00	2,914:25
CF-0DE	1951	83	537:10	4,942:25
CF-0DF	1952	159	399:50	4,839:00
CF-0DG	1952	43	210:30	5,829:25
CF-0DS	1956	21	148:50	1,803:55
10 OTTER				
CF-0DJ	1953	248	486:45	5,012:10
CF-0DK	1953	210	252:00	3,847:50
CF-0DL	1953	263	439:00	4,570:05
CF-0DP	1956	330	326:55	3,300:30
CF-0DQ	1956	174	444:00	3,919:30
CF-0DU	1960	716	461:30	2,590:10
CF-0DV	1961	283	443:55	3,362:00
CF-0DW	1961	375	263:10	2,366:35
CF-0DX	1962	574	410:25	1,934:30
CF-0DY	1962	755	301:05	1,478:20
WIDGEON				
CF-0DR	1956	15	205:50	2,588:25
23 TURBO BEAVER				
CF-0EA	1964	263	405:25	1,283:20
CF-0EB	1964	149	419:35	1,015:10
CF-0EC	1965	194	432:35	1,059:50
CF-0ED	1965	208	363:20	1,104:00
CF-0EE	1965	133	262:50	1,070:20
CF-0EF	1965	403	341:45	996:55
CF-0EH	1966	191	460:25	751:40
CF-0EI	1966	120	464:40	723:35
CF-0EJ	1966	482	565:00	576:45
CF-0EK	1966	365	637:10	898:45
CF-0EL	1966	223	454:30	630:20
CF-0EM	1966	147	479:30	655:05
CF-0EN	1966	145	443:00	553:30
CF-0EO	1966	146	364:00	480:20
CF-0EP	1966	243	461:55	461:55
CF-0ER	1967	15	142:20	142:20
CF-0ES	1967	28	168:30	168:30
CF-0ET	1967	-	116:20	116:20
CF-0EU	1967	5	80:10	80:10
CF-0EV	1967	-	2:30	2:30
CF-0EW	1967	-	2:45	2:45
CF-0EX	1967	-	2:25	2:25
CF-0EY	1967	-	2:20	2:20
2 TWIN OTTER				
CF-0EG	1966	52	391:35	669:20
CF-0EQ	1967	342	349:20	349:20
All Other Aircraft				
	....	...	.....	305,497:15
TOTAL.....		8,759	15,805:10	426,775:50

PILOTS' FLYING TIME March 31, 1968

PILOTS		1924-67	1967-68	TOTAL
Allen	D.W.	5,002:30	355:45	5,358:15
Ayers	N.	173:00	406:50	579:50
Ballantyne	G.E.	3,684:20	93:40	3,778:00
Beaushene	G.D.	5,804:10	311:10	6,115:20
Bieck	A.H.	3,576:00	404:55	3,980:55
Burt	A.E.	10,048:40	335:50	10,384:30
Calver	D.R.	5,061:50	337:55	5,399:45
Campbell	G.E.	7,469:55	542:10	8,012:05
Colfer	A.P.	9,801:05	580:20	10,381:25
Cooke	T.C.	8,804:25	123:20	8,927:45
Cram	W.W.	2,667:25	435:00	3,102:25
Croal	D.M.	4,262:35	576:20	4,838:55
Denley	J.G.	8,924:20	278:10	9,202:30
Evans	F.B.	6,031:55	383:25	6,415:20
Good	S.D.	606:05	314:20	920:25
Glennie	N.A.	4,488:50	404:50	4,893:40
Hoar	H.S.	4,076:50	177:10	4,254:00
Hoeberg	P.S.	5,338:30	667:00	6,005:30
Howe	F.R.	874:25	406:35	1,281:00
Kachanovsky	J.	248:45	356:40	605:25
Kirk	C.J.	6,154:15	283:35	6,437:50
Lamont	J.A.	5,398:30	377:10	5,775:40
Lefeuivre	D.J.	11,098:40	280:15	11,378:55
Lowe	B.	2,895:20	299:15	3,194:35
Magill	J.B.	-	469:20	469:20
McLellan	D.	159:30	362:05	521:35
McLeod	A.A.	668:45	534:45	1,203:30
McLeod	A.K.	1,038:30	558:30	1,597:00
McNabb	D.D.	1,065:00	393:45	1,458:45
Moore	K.	246:25	25:15	271:40
North	D.H.	2,824:40	382:20	3,207:00
Nyman	R.V.	-	445:30	445:30
Parsons	R.	8,610:40	308:30	8,919:10
Siegel	J.	6,818:55	362:55	7,181:50
Speight	H.C.	10,433:00	464:00	10,897:00
Taylor	J.M.	3,813:55	36:20	3,850:15
Thomas	E.	5,138:30	343:55	5,482:25
Thompson	F.J.	4,688:15	371:15	5,059:30
Turcotte	L.J.	3,149:15	517:25	3,666:40
Warner	W.K.	-	507:10	507:10
Weisflock	E.J.	1,222:45	598:40	1,821:25
Other Pilots		239,541:20	391:50	239,933:10
TOTAL HOURS		411,911:45	15,805:10	427,716:55

AIR SERVICE BASE OPENING DATES (or First Float Flying)

[illegible]

*Year Round Base

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

BASE	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
*Algonquin Park.	8 May	19 April	2 April	17 May	29 April	24 April	21 April	29 April	21 April	11 May	25 April
Biscotasing....	17 May	28 April	7 May	20 May	.....	.....	.....	.....	.....	.....	.....
Carey Lake.....	.....	.....	.....	.....	.....	10 May	15 May	18 May	30 April	27 May	.....
Caribou Lake....	3 June	19 May	9 May	1 June	21 May	7 May	14 May	27 May	1 May	1 June	13 May
*Chapleau.....	.....	8 May	10 May	16 May	30 April	8 May	8 May	4 May	22 April	14 May	3 May
Eva Lake.....	16 May	8 May	1 May	20 May	10 May	30 April	29 April	17 May	28 April	16 May	6 May
*Fort Frances...	20 May	11 May	30 April	24 May	7 May	1 May	4 May	13 May	27 April	16 May	29 April
*Geraldton.....	.....	14 May	4 May	20 May	9 May	5 May	7 May	18 May	27 April	17 May	7 May
*Gogama.....	14 May	27 April	30 April	8 May	24 April	23 April	29 April	3 May	22 April	14 May	1 May
Ignace.....	20 May	10 May	3 May	22 May	9 May	1 May	5 May	18 May	28 April	16 May	6 May
Kenogami Lake..	.....	.....	.....	.....	10 May	2 May	7 May	9 May	26 April	22 May	10 May
*Kenora.....	20 May	8 May	3 May	22 May	10 May	1 May	7 May	18 May	27 April	17 May	6 May
Launon Lake....	.....	.....	.....	.....	.....	.....	18 April	28 April	19 April	7 May	29 April
Oba Lake.....	27 May	5 May	10 May	8 May	8 May	8 May	10 May	15 May	28 April	16 May	9 May
Orient Bay.....	12 June	18 May	12 May	23 May	16 May	7 May	8 May	21 May	1 May	1 June	13 May
Parry Sound....	6 May	12 May	13 April	27 April	17 April	23 April	30 March	20 April	18 April	3 May	28 April
Pays Plat.....	14 May	8 May	7 May	18 May	8 May	2 May	6 May	11 May	4 May	15 May	6 May
Pickle Lake....	2 June	18 May	9 May	3 June	17 May	7 May	13 May	2 June	6 May	1 June	13 May
*Port Arthur....	16 May	3 May	30 April	19 May	2 May	22 April	30 April	7 May	22 April	30 April	29 April
Red Lake.....	26 May	13 May	3 May	29 May	15 May	3 May	8 May	21 May	28 April	19 May	9 May
Remi Lake.....	2 June	10 May	4 May	23 May	3 May	2 May	13 May	19 May	29 April	21 May	6 May
*Sault Ste. Marie	30 April	14 April	7 April	6 April	9 April	7 April	27 March	13 April	19 April	3 May	29 April
*Sioux Lookout..	20 May	12 May	1 May	27 May	12 May	3 May	7 May	20 May	27 April	19 May	10 May
South Porcupine	27 May	1 May	3 May	19 May	30 April	1 May	5 May	5 May	27 April	15 May	6 May
*Sudbury.....	14 May	27 April	25 April	12 April	25 April	28 April	20 April	29 April	19 April	9 May	1 May
Tewagami.....	17 May	27 April	20 April	15 May	1 May	1 May	28 April	4 May	26 April	17 May	3 May
*Toronto.....	.....	.....	.....	.....	.....	30 April	21 April	18 April	22 April	20 April	22 April
Tweed.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Twin Lakes.....	8 June	14 May	12 May	30 May	1 May	16 May	13 May	22 May	6 May	17 June	10 May
White River....	.....	.....	.....	.....	.....	.....	11 May	18 May	29 April	21 May	10 May

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

*Year Round Base

BASE	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
*Algonquin Park.	23 April	5 May	2 May	4 May	3 May	24 April	7 May	15 May	.....	.....	.....
Carey Lake.....	9 May	12 May	23 May	10 May	13 May	9 May	13 May	13 May	25 May	23 May	17 May
Armstrong.....	15 May	15 May	22 May	24 May	25 May	20 May	11 May	17 May	26 May	30 May	30 May
*Chapleau.....	24 April	4 May	11 May	4 April	7 May	29 April	1 May	7 May	1 April	2 May	27 April
*Fort Frances...	18 April	28 April	4 May	1 May	1 May	25 April	4 May	4 May	6 May	24 April	22 April
*Geraldton.....	5 May	10 May	18 May	11 May	16 May	7 May	7 May	11 May	1 April	16 May	13 May
*Gogama.....	28 April	6 May	5 May	10 May	7 May	1 May	1 May	7 May	16 July	3 May	6 May
Ignace.....	2 May	8 May	12 May	11 May	11 May	8 May	8 May	13 May	.....	.....	.....
Kenogami Lake..	4 May	12 May	18 May	13 May	10 May	8 May	4 May	12 May	19 May	11 May	19 May
*Kenora.....	15 April	30 April	12 May	11 May	9 May	6 May	8 May	3 May	6 April	5 May	1 May
Lauzon Lake....	17 April	20 April	2 May	26 April	26 April	22 April	30 April	4 May	25 April	27 April	29 April
Nym Lake.....	2 May	8 May	12 May	12 May	16 May	8 May	8 May	11 May	29 May	15 May	10 May
Oba Lake.....	4 May	11 May	23 May	11 May	15 May	.....	.....	.....	.....	.....	.....
Parry Sound....	21 April	27 April	27 April	26 May	25 April	22 April	23 April	4 May	2 April	29 April	19 April
Pays Plat.....	2 May	8 May	12 May	10 May	11 May	23 April	8 May	11 May	9 May	6 May	10 May
*Pembroke.....	.....	.....	.....	4 May	26 April	23 April	25 April	4 May	1 April	21 April	6 April
Pickle Lake....	16 May	15 May	20 May	19 May	16 May	17 May	17 May	13 May	31 May	1 June	21 May
*Port Arthur....	30 April	24 April	13 May	19 May	16 May	5 May	5 May	11 May	17 May	3 May	28 April
Red Lake.....	2 May	14 May	16 May	19 May	15 May	8 May	10 May	12 May	25 May	24 May	13 May
Remi Lake.....	7 May	12 May	19 May	11 May	15 May	9 May	6 May	12 May	24 May	23 May	10 May
*Sault Ste. Marie	26 March	8 April	11 April	4 April	2 April	3 April	3 April	.....	1 April	1 April	12 April
*Sioux Lookout..	1 May	14 May	16 May	16 May	8 May	2 May	7 May	10 May	23 May	10 May	9 May
*Timmins.....	2 May	8 May	16 May	11 May	9 May	11 May	4 May	11 May	14 May	16 May	11 May
*Sudbury.....	18 April	1 May	4 May	10 May	27 April	24 April	28 April	8 May	25 April	3 May	17 April
Temagami.....	2 May	8 May	11 May	17 May	9 May	1 May	4 May	14 May	9 May	9 May	26 April
*Toronto.....	20 April	28 April	28 April	19 April	6 April	17 April	23 April	.....	5 April	1 April	1 April
Twined.....	18 April	27 April	28 April	25 April	22 April	18 April	20 April	4 May	25 April	20 April	11 April
Twin Lakes.....	13 May	15 May	25 May	21 May	25 May	15 May	11 May	13 May	.....	.....	.....
White River....	2 May	12 May	20 May	12 May	15 May	15 May	10 May	11 May	19 May	12 May	3 May

NEW POLICIES

[illegible]

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland

Northern District of

North America (Quebec)

(Lower Canada 1800-1801) .

1764-1801

Surveyor-General

Sir D.W. Smith

First Surveyor-General

of Province of Upper Canada

1800-1804

Surveyor-General

C.B. Wyatt

1804-1805

Surveyor-General

William Chewett and

Thomas Ridout

1805-1810

Surveyor-General

Thomas Ridout

1810-1829

Surveyor-General

Hon. S.P. Hurd

1832-1835

Surveyor-General

J. Macaulay

1836-1838

Surveyor-General

Hon. R.B. Sullivan

1838-1840

Surveyor-General

Thos. Parke

1841-1845

Surveyor-General

* G.B. Kirkpatrick

1880-1917

Director of Surveys

* L.V. Rorke

1918-1928

Director of Surveys

† L.V. Rorke

1928-1936

Deputy Minister/

Surveyor-General

‡ C.H. Fullerton

1936-1946

Surveyor-General

F.W. Beatty

1946-1962

Surveyor-General

Robert G. Code

1962-

Surveyor-General

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning added in 1958 and Engineering Section added in 1962. Land Acquisition Section was created in 1963. Land Use Planning Section merged with Land Acquisition in 1966 as Land Acquisition and Planning Section.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: ROBERT G. CODE

LANDS SECTION

Supervisor: R.S. Hyslop

Administration of public lands and their disposition by sale, patent, vesting order, quit claim deed, lease, licence of occupation, or land use permit; release of reservations in patents, assignments and cancellations; reservation of lands for public and government uses; Beach Management Agreements concluded with Municipalities.

LAND ACQUISITION & PLANNING SECTION

Supervisor: W.G. Maslen

Recommendations and applications for purchase of private lands for public uses; development and co-ordination of land use plans in all districts for the management of renewable, natural resources; Ontario Land Inventory; co-ordination of departmental A.R.D.A. projects; liaison with Department of Agriculture and Food on private lands and with other departments on the socio-economic implications of land use objectives; and road co-ordination.

SURVEYS SECTION

Supervisor: S.B. Panting

Examination, recording and custody of original plans and field notes of restoration of original Crown survey points, retracement and Municipal surveys, and surveys of Crown lands for disposition; map compilation; authorization of geographical names; distribution of maps, publications and copies of survey records; access roads. Branch attendance, accounts payable, supplies and equipment.

ENGINEERING SECTION

Approval of dams; licences of occupation for dams, flooding and diversions; water resource management; issuance and servicing of Water Power Lease Agreements; engineering consultations; feasibility studies, inspections, reports, planning for fish culture stations, Wetland developments, fishways and other fish and wildlife projects.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2, 400-acre block
1835-1906	-	1, 000-acre block
1859	-	Townships 6 miles square - no road allowances - Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section.
1906	-	1, 800-acre blocks.

Since the first township was surveyed in 1783, 1, 172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1, 386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 206 township subdivision surveys have been annulled, as of May 31, 1968, under the provisions of Section 10 (1) of the Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to October 30, 1968, a total of 809 plans of subdivision for summer cottage purposes have been registered, covering 9,889 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1968, the total installed capacity of power plants under lease and in service is 5,273,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 8,630,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

The highest known point in Ontario is Ogidaki Mountain, located in Township 24, Range 12, Algoma District - elevation 2,183 feet above mean sea level.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forest to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U. E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of The Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown public lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise. Generally speaking no public lands are available for farming in southern Ontario.

Summer cottage sites are made available on a sale basis after completion of lake development plans. These plans prepared by local offices of the Department ensure protection of the present and future public interest by reserving access points, lookout and camping areas, wildlife propagation areas, etc. Not less than 25% of the shoreline must be retained for these purposes. Areas selected for cottage sites are examined by the health authorities and other Government bodies concerned with environmental pollution. When clearance is given the lots are surveyed into registered plans of subdivision and sold by district offices on a cash basis. Where demand for lots exceeds supply, sale is made by public auction.

Commercial summer resort lands may be purchased or leased under conditions of size, price and improvements specified by Regulations.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Locations for hunting and fishing camps can be rented under a Land Use Permit issued by the District Forester in parts of the Province where the density of such camps has not reached saturation. The permit is to regulate buildings only and does not carry with it any hunting or fishing privileges.

LAND ACQUISITION AND PLANNING SECTION

This Section-

- (a) Determines the land's capability to, produce crops of wildlife, fish and timber; provide a variety of outdoor recreational experiences; and provide suitable space for cultural developments such as houses, factories, roads and airports.
- (b) Supervises and co-ordinates the preparation of plans recommending the best land use based on the land's ability to satisfy the various uses.
- (c) Co-ordinates the long range planning activities of the Department to ensure the optimum benefits are achieved while implementing the recommended land uses.
- (d) Acquires private land to meet the needs of the people as recommended in the plans.

The Section is also responsible for the co-ordination of A.R.D.A. programs in the Department; liaison with the Regional Development Branch, Department of Treasury on regional planning; co-ordination of the Forest Access Roads Program; co-ordination of the Advisory Committees on Recreational Land Use Planning; liaison with the Department of Agriculture on the Private Lands Liaison Committee.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

LANDS PROPOSED, ACQUIRED AND REJECTED

In year ending March 31, 1968

Use Category	Acres Proposed	Acres Rejected	Acres Acquired	Cost
Provincial Parks.....	14,060.20	32,000.00	9,142.10	\$2,928,307
Access Points....	1,999.17	1,107.03	1,135.36	295,975
General Recreation	32,107.00	12,704.00	8,829.26	454,304
Wilderness Areas.....	865.57	902.30	356.96	31,368
Wildlife Management	8,745.60	305.00	3,327.77	401,057
Timber Management	755.00	1,632.00	32,631.50	324,318
District Improvements	219.03	4.02	154.00	48,510
Totals ...	58,751.57	48,654.35	55,576.95	4,483,839

ACRES ACQUIRED in years ending March 31st

Use Category	1965	1966	1967	1968
Provincial Parks.....	9,193.45	7,437.42	6,244.49	9,142.10
Access Points....	78.74	610.03	290.90	1,135.36
General Recreation	2.47	68.39	851.30	8,829.26
Wilderness Areas.....	...	190.48	614.30	356.96
Wildlife Management	2,203.40	3,460.55	1,876.00	3,327.77
Timber Management	5,118.94	3,363.13	8,859.42	32,631.50
District Improvements	1.06	592.00	109.30	154.00
Totals ...	16,598.06	15,722.00	18,845.71	55,576.95

LAND ACQUIRED BY CROWN

Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	10,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174	7,969	12,081	22,224
1966	5,484*	1,989	15,130	22,603
1967	8,402	1,840	18,846	29,088
1968	8,344	470	55,577	64,391

*Figures for previous calendar year ending December 31.

FREE GRANT LAND in years ending March 31st

Year	Locations		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1946	49	5,737	545	61,459	120	14,214	216	26,068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	67	8,649	403	48,578	64	8,415	164	22,119
1949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
1951	28	3,608	289	35,371	56	7,747	150	19,826
1952	27	3,411	159	19,785	37	5,060	165	21,411
1953	36	4,655	181	21,874	25	3,452	120	16,131
1954	24	2,757	250	30,784	19	2,618	136	17,713
1955	17	1,823	209	25,755	7	1,005	87	11,219
1956	20	2,708	114	12,661	4	517	59	7,501
1957	8	878	78	8,727	1	151	47	6,089
1958	6	796	60	6,950	1	156	48	6,483
1959	4	462	43	4,689	1	160	36	4,658
1960	4	386	48	4,597	1	50	44	5,911
1961	..	.....	89	9,799	2	156	29	3,701
1962	..	.....	51	5,033	..	.....	25	2,670
1963	..	.....	74	7,979	..	.....	30	3,939
1964	..	.....	12	1,222	1	100	18	2,385
1965	..	.....	23	2,721	..	.....	11	1,319
1966	..	.....	24	2,756	..	.....	12	1,307
1967	..	.....	2	186	..	.....	7	732
1968	..	.....	..	.....	..	.....	..	.....

AGRICULTURAL LAND in years ending March 31st

Year	Sales		Cancellations		Assignments		Patents		Quit No.	Claim Deeds Acres
	No.	Acres	No.	Acres	No.	Acres	No.	Acres		
1946	281	26,535	438	42,933	162	17,464	321	36,683	...	...
1947	303	29,757	338	29,470	222	22,801	433	52,189	...	...
1948	280	29,506	402	37,069	185	21,667	299	32,929	...	...
1949	277	28,740	378	35,095	105	12,392	225	26,435	...	...
1950	267	26,671	327	32,452	113	12,145	316	35,483	...	...
1951	195	19,228	221	22,134	69	7,673	256	28,104	...	...
1952	223	24,420	143	13,353	71	7,313	242	26,474	...	...
1953	186	21,965	221	21,645	70	7,560	256	29,319	...	...
1954	144	14,534	131	13,049	50	4,484	256	29,123	...	...
1955	158	15,232	161	17,377	92	4,131	188	21,265	...	...
1956	117	12,230	184	18,513	26	3,008	148	17,892	...	...
1957	82	8,683	191	19,038	15	1,461	126	14,882	...	...
1958	101	10,543	174	17,087	7	807	150	15,471	...	...
1959	101	10,607	141	13,788	12	1,227	110	11,644	...	...
1960	68	6,578	59	5,788	3	211	105	10,980	...	...
1961	35	3,808	94	9,133	15	1,531	108	11,633	...	...
1962	10	1,102	58	5,892	4	330	94	10,267	...	...
1963	5	284	59	5,868	5	446	84	9,512	...	...
1964	6	549	9	810	1	80	88	8,783	...	...
1965	16	1,384	48	4,778	..	.....	62	6,468	...	...
1966	12	1,084	29	2,860	..	.....	42	4,362	...	...
1967	6	476	15	1,591	..	.....	28	2,510	...	...
1968	1	160	2	240	..	.....	24	2,480	2	177

SUMMER RESORT LAND in years ending March 31st.

YEAR	Sales		Cancellations		Assignments		Patents		Surveys
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
1946	535	1,411	11	35	14	32	277	781	358
1947	666	1,841	6	6	37	186	496	1,764	388
1948	700	1,700	26	69	34	139	446	1,153	692
1949	1,010	2,336	45	218	40	107	756	1,984	1,199
1950	1,202	2,512	77	610	38	95	1,046	2,613	1,435
1951	1,360	2,484	62	112	50	94	1,125	2,294	1,737
1952	1,601	2,769	75	148	35	319	1,294	3,363	1,800
1953	1,290	2,278	73	183	40	127	1,263	2,287	1,458
1954	1,435	2,133	76	447	37	72	1,312	2,168	1,752
1955	1,278	1,871	84	166	28	42	1,479	2,438	1,670
1956	1,176	1,614	108	183	12	17	1,384	2,089	1,269
1957	714	958	61	124	17	17	1,164	1,411	1,207
1958	1,344	1,678	36	53	13	15	962	1,350	2,083
1959	2,155	2,517	27	28	19	23	1,220	1,588	2,660
1960	2,418	2,345	33	49	29	25	1,946	2,010	2,307
1961	1,557	1,543	58	72	25	25	1,840	1,929	2,935
1962	1,391	1,377	55	77	22	26	2,234	2,415	2,577
1963	1,131	1,068	25	29	11	8	1,418	1,494	1,374
1964	912	929	17	19	6	7	1,088	1,092	939
1965	881	824	32	33	3	8	977	981	726
1966	856	863	23	21	17	25	883	925	838
1967	1,142	1,109	17	15	30	27	827	821	897
1968	944	977	20	24	27	23	961	940	746

CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

Year	No.	Sales Acres	Cancellations No. Acres	Assignments No. Acres	No.	Patents Acres	Quit Claim Deeds No.	Acres
1947	275	137.92	9	2.39	27	6.67	249	175.39
1948	...	...	..	...	..	...	..	...
1949	151	68.626	17	17.182	22	8.904	146	66.634
1950	97	102.906	10	1.668	11	21.764	182	111.60195
1951	87	56.996	15	30.05	10	2.2145	143	94.3345
1952	91	252.47	7	1.695	10	1.576	90	38.274
1953	111	64.7477	19	13.82	2	0.378	126	68.950
1954	89	28.604	8	23.308	7	1.682	99	63.0438
1955	60	15.411	11	5.271	11	2.39	70	26.651
1956	91	44.690	14	6.06	7	1.44	85	1,613.190
1957	96	60.547	14	5.04	2	0.37	85	70.632
1958	76	15.693	10	1.159	4	0.86	69	323.050
1959	109	30.8821	6	2.109	4	0.978	101	37.990
1960	113	36.315	12	1.1872	4	0.941	99	75.994
1961	83	29.443	17	3.318	5	0.98	91	25.618
1962	104	39.910	20	5.708	..	...	105	61.243
1963	77	31.941	31	6.318	8	2.885	99	36.547
1964	64	34.650	4	4.892	1	0.2	67	218.826
1965	27	7.140	13	2.840	1	0.394	45	15.019
1966	34	14.189	11	2.140	1	0.24	45	12.254
1967	27	10.275	5	1.063	1	0.09	23	13.106
1968	37	12.491	5	1.165	5	1.18	37	14.986

LAND FOR SPECIAL USE in years ending March 31st

Year	No.	Sales Acres	Cancellations No. Acres	Assignments No. Acres	Patents No. Acres	Quit No. Acres	Claim Deeds Acres	Easements No. Acres
1947	211	14,293.96	..	..	134.05	145	13,272.99	..
1948	..	..	..	..	..	..	..	..
1949	199	20,541.913	5	110.00	184.53	187	13,132.423	..
1950	183	26,616.1662	5	206.59	95.86	187	55,461.188	..
1951	155	4,285.757	11	255.655	2	100.68	5,471.559	..
1952	149	5,367.3395	15	576.64	1	20.08	7,318.1075	..
1953	141	5,440.696	9	640.02	2	2.91	6,931.922	..
1954	145	4,220.913	12	418.984	7	87.56	6,168.493	..
1955	143	4,745.9465	12	614.26	3	111.771	4,989.0825	..
1956	129	7,451.9988	10	427.33	3	6.23	6,274.0393	..
1957	81	2,122.698	7	249.84	..	..	5,175.287	..
1958	148	4,533.12	12	545.20	..	152	5,620.207	..
1959	88	1,738.784	2	95.48	1	2.13	2,554.183	..
1960	157	3,201.033	4	228.25	3	4.11	10,254.213	..
1961	108	9,149.599	6	159.31	..	156	4,888.957	..
1962	122	2,587.402	5	82.114	2	1.69	4,090.992	..
1963	100	2,527.392	3	180.21	..	146	4,863.112	..
1964	75	1,529.052	4	83.03	..	140	6,624.6265	..
1965	86	622.792	8	432.33	..	128	16,667.445	..
1966	83	671.858	8	244.489	..	99	2,345.328	..
1967	128	1,462.543	3	47.01	..	149	3,916.502	..
1968	108	1,192.00	4	204.00	1	153	1,896.00	..
						8	221.00	..

LICENCES OF OCCUPATION

LEASES

YEAR Ending March 31st	No. Issued	Acres	No. Cancelled	Acres	No. Issued	Acres	No. Cancelled	Acres
1947	86	...	219	...	151	...	22	...
1948	108	...	138	...	109	...	26	...
1949	87	...	125	...	92	...	44	...
1950	96	...	97	...	88	...	44	...
1951	81	...	114	...	88	...	37	...
1952	87	...	104	...	113	...	36	...
1953	66	...	60	...	88	...	29	...
1954	88	...	124	...	84	...	45	...
1955	59	...	48	...	11	...	60	...
1956	60	...	61	...	53	...	88	...
1957	84	...	81	...	60	...	71	...
1958	65	...	76	...	32	...	22	...
1959	75	...	58	...	26	...	26	...
1960	55	...	57	...	51	...	29	...
1961	68	...	64	...	37	...	20	...
1962	71	...	62	...	50	...	21	...
1963	47	...	79	...	51	...	31	...
1964	70	...	96	...	50	...	34	...
1965	32	...	66	...	127	...	111	...
1966	53	...	71	...	76	...	86	...
1967	65	...	90	...	80	...	97	...
1968	72	7,275	58	6,662	97	418	112	357

LAND USE PERMITS in years ending March 31st

Year	Hunt Camp	Trappers Cabin	Residence and Garden	Agriculture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total Acres
1947	391	25	570	201	38	172	10	56	95	330	1,888	18,955
1948	464	47	489	233	15	197	2	80	307	377	2,211	.....
1949	543	33	446	129	57	170	2	77	370	501	2,583	22,458
1950	786	18	386	122	67	175	4	42	265	1,262	3,270	15,846
1951	796	32	261	66	56	231	6	79	599	1,617	3,891	19,035
1952	866	13	259	47	34	239	..	76	643	1,758	.....	.....
1953	957	...	299	34	24	187	1	69	400	1,671	3,809	16,031
1954	1,064	4	224	35	19	169	..	41	563	1,964	4,274	21,201
1955	1,220	29	246	34	10	180	9	102	683	2,046	4,559	18,128
1956	1,234	200	435	130	29	216	5	216	453	2,543	2,918	30,321
1957	1,248	328	459	84	36	215	5	237	537	2,613	3,059	29,669
1958	1,352	218	514	79	37	184	1	252	509	2,858	3,146	34,471
1959	1,190	279	514	89	31	214	3	368	365	3,121	3,053	36,742
1960	1,689	226	503	65	45	149	3	344	416	3,107	3,440	36,625
1961	1,875	201	328	48	22	188	7	255	548	3,181	3,472	29,899
1962	2,245	216	443	46	22	158	4	254	478	3,068	3,866	32,903
1963	2,163	241	441	49	17	152	4	265	572	3,210	3,904	37,078
1964	2,424	278	591	68	19	156	7	275	561	3,173	4,379	40,232
1965	2,395	296	349	47	46	163	12	415	713	3,146	4,436	35,438
1966	2,413	285	338	57	48	154	7	397	683	3,055	4,382	31,810
1967	2,516	325	353	52	55	157	8	393	696	2,737	4,555	29,036
1968	2,637	382	346	45	38	159	12	394	734	2,863	4,747	58,639

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20, 20A*	Territorial Series	Electoral 33A	Misc.	Total	Provincial Topographical Series	National Topographical Series	Grand Total
1947	3,650	7,378	141	5,475	16,644	.....	10,535	27,179
1948	1,975	7,373	25	1,774	11,147	.....	11,215	22,362
1949	4,800	8,169	169	3,391	16,529	.....	15,241	31,770
1950	1,896	7,560	152	6,827	16,435	.....	17,013	33,448
1951	2,814	6,730	61	4,453	14,058	.....	21,435	35,493
1952	2,096	9,426	311	4,509	16,342	3,925	20,214	40,481
1953	1,990	8,156	207	5,271	15,624	2,242	30,310	45,934
1954	2,734	9,254	64	5,976	18,028	9,596	24,863	52,487
1955	3,045	12,137	250	9,832	25,264	14,223	34,060	73,547
1956	2,113	10,475	839	2,712	16,139	12,928	35,676	64,743
1957	2,212	11,687	190	13,845	27,934	16,036	33,977	77,947
1958	1,831	12,592	126	2,726	17,275	17,720	44,328	79,323
1959	2,435	9,071	259	11,310	23,075	21,458	47,329	91,862
1960	1,285	9,728	320	9,543	20,876	25,357	43,534	89,767
1961	1,333	6,906	142	8,435	16,816	26,111	36,993	79,920
1962	2,523	10,755	503	19,084	32,865	33,018	45,848	111,731
1963	1,194	11,215	193	9,517	22,119	21,842	47,712	91,673
1964	652	8,255	313	9,503	18,723	9,525	34,160	62,408
1965	651	9,152	257	6,651	16,711	7,060	35,210	58,981
1966	586	9,881	135	14,526	25,128	2,543	39,697	67,368
1967	664	8,654	4,849	13,033	27,200	6,157	40,854	74,211
1968	766	8,443	2,094	12,785	24,088	8,931	49,734	82,753

RETRACEMENT SURVEYS

In years ending March 31st

Year	MILES
1958	70
1959	50
1960	118
1961	170
1962	325
1963	290
1964	235
1965	321
1966	385
1967	313
1968	280

INSTALLED CAPACITY IN HORSE-POWER

Of All Plants Under Crown Lease
In years ending March 31st

Year	H. P.
1958	2,767,890
1959	3,796,190
1960	4,327,490
1961	4,380,490
1962	4,500,490
1963	4,500,490
1964	4,654,820
1965	4,673,420
1966	4,861,420
1967	5,049,420
1968	5,273,420

WILDERNESS AREAS

The Following have been declared wilderness areas under The Wilderness Areas Act of 1959 for the reasons stated.

O. Reg. 281/60 - Filed Oct. 21/60.

1. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
3. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
4. ABITIBI LAKE NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an Old Indian burial ground.
5. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.

O. Reg. 259/64 - Filed Oct. 5/64

- 5A. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vacinium-mosses, brush-alder, mountain maple and dogwood.

O. Reg. 281/60 - Filed Oct. 21/60.

6. KISHKEBUS LAKE - 332 acres in Barrie Township, Frontenac County -- Area of high aesthetic recreational value.
7. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.
8. CAPE HENRIETTA MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
9. ECHO TOWNSHIP -- 492 acres in Echo Township, District Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout Forest District. It is set aside for silvicultural research, seed production and educational purposes.
10. THE JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
11. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste

La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

12. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

13. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.

14. WHITE OTTER LAKE -- 41 acres in Sioux Lookout District. Here is a log castle, perhaps unique, built by Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.

15. RONDEAU PROVINCIAL PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.

16. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.

17. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.

18. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.

20. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.

21. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.

22. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.

23. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, *Pellaea glabella*, and Dickie's Fragile Fern, *Cystopteris dickieana*.

24. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

25. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

27. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.

28. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

O. Reg. 268/61 - Filed July 28/61

29. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.

30. THE PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An Area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

31. THE PINERY PROVINCIAL PARK FLOOD-PLAIN -- 25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

32. THE PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.

33. THE PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.

34. PRESQU'ILE ISLANDS -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.

35. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

O. Reg. 35/62 - Filed Feb. 12/62

36. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961.

O. Reg. 251/63 - Filed Sept. 17/63

*37. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

*Re-enacted by O. Reg. 89/64 - Filed Apr. 27/64

O. Reg. 229/64 - Filed Sept. 2/64

38. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

O. Reg. 259/64 - Filed Oct. 5/64

39. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch is the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

O. Reg. 30/66 - Filed Jan. 28/66

40. DERBY LAKE -- 450 acres in Godson Township, District of Kenora to preserve an over-mature stand of white pine.

NEW POLICIES

[illegible]

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957, and Chief, Law Branch, on July 28, 1966.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$25.60 per square mile is the same as the fire protection charge on Crown timber licensed areas.

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; frogs; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

LAW BRANCH

Chief: G. H. FERGUSON, Q. C.

SOLICITORS:

W. E. D. Peters

W. J. Obelnycki

F. R. Moskoff

PATENTS OFFICE

Supervisor: A. E. B. Armstrong

SECRETARY

Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

THE FOREST FIRES PREVENTION ACT, 1968 will, upon proclamation replace the above Act. The provisions respecting fire season, fire permits and work permits will be continued. In lieu of the travel permit system, a three level system of control will apply. Areas may be established as restricted fire zones in which fires will be restricted to portable stoves and barbecues or as restricted travel zones in which a permit will be required except on public roads, cities, towns, villages, police villages, supervised camping grounds and waters adjacent thereto or emergency areas in which the Minister may make orders for the safety and evacuation of persons. Agreements with timber licensees are discontinued and operators will be liable for costs of fires only where there are breaches of the Act, a regulation, order or condition of a permit. Regulations may establish fire precautions.

THE FOREST TREE PEST CONTROL ACT, 1968. This Act, as yet unproclaimed, provides for the control of outbreaks of forest tree insects and diseases on private lands.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots; (5) The administration of roads on Crown lands including the designation of public forest roads and agreements with occupiers of private forest roads respecting the use by the public of private forest roads.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment. His decision is subject to appeal to a judge of the Supreme Court.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with;- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene,

Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste Marie, Southampton, Toronto, Whitby and Windsor.

THE ONTARIO GEOGRAPHIC NAMES BOARD ACT, 1968. This Act, as yet unproclaimed, provides for the establishment of a geographic names board for Ontario having the duty to gather information respecting names of places and geographical features, make recommendations thereon, collaborate with the Canadian Permanent Committee on Geographic Names and provide information to government departments, etc. The Minister may approve a recommended name and thereupon it shall be used by all government departments and agencies in the preparation of maps and other publications.

THE BEDS OF NAVIGABLE WATERS ACT (Sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

OPERATIONS BRANCH

THE LOGGERS' SAFETY ACT, 1962-63, establishes safety standards in logging operations, requires returns and provides for penalties.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Parks may be classified as a natural environmental park, a nature reserve park, a primitive park, a recreational park, a wild river park or otherwise and may be zoned with controlled use in zones.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interest existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$10.00 for the season. Campsite charges are \$2.50 per day. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.) Overnight camping charges are \$1.00 per day or \$5.00 for two weeks on unorganized campsites in park interior.

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Under this Act, which was passed on March 26, 1959, 39 areas are set apart by the regulations.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown Timber on the licensed area when tenders are called, or in a salvage operation, or where the stumpage charges are less than \$2,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a license is granted to him to fill his requirements for an operating season.

Basic Crown dues, forest protection charges and management charges are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides, that with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODLANDS IMPROVEMENT ACT, 1966, provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada, \$ 500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.
- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:

- (1) Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;
- (2) Canada provides research personnel and equipment for the laboratories;
- (3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committee;
- (4) Result of studies, advice and assistance will be available to Ontario;
- (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories.

5. WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by agreements dated 28th, October, 1960, and 12th July, 1967.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$145 a month subject to deductions for non-reporting of weather observations.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional Lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have prior approval of the the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from lands are received by the Minister and on termination or expiry of the expenses less the revenues, without interest. If there is an excess, it shall be paid of the Commission without interest. The agreement is to be reviewed following April 1, 1963 and every second year thereafter.

9. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters between the Minister of Fisheries dated October 23rd, 1967 and the Minister of Lands and Forests dated November 7th, 1967, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed to amend the existing areas of responsibility for fisheries research in the Great Lakes as follows:

Canada will assume the responsibility for:

1. Lamprey research and control programmes in the Great Lakes.
2. Such studies in Ontario waters as may be recommended by the Federal-Provincial Committee for Ontario Fisheries, subject to availability of personnel and funds.
3. A general research programme on eutrophication.

4. Technological research related to the development of new products and of new techniques for handling, packaging, preparing, and storing freshwater fisheries products.
5. Economic studies of Ontario fisheries upon request by provincial authorities, subject to the limitations of staff and budget.
6. The administration of federal fish inspection legislation within the Province and assist the provincial authorities in the administration of provincial fish inspection regulations.

Ontario will assume responsibility for:

1. General fisheries research in support of its fisheries management responsibilities in all Ontario waters.
2. Co-operation with the federal programme on eutrophication by making small lakes available for experimental work if mutually satisfactory arrangements can be made. The research required to provide solutions to local eutrophication problems in specific waters will remain the responsibility of Ontario.
3. Gathering, summarizing and analyzing sport and commercial fisheries statistics.
4. Fish culture programmes in the province (professional and technical officers of the Federal Government competent in this field will be made available for consultation or assistance upon request).

Canada agreed to co-operate with Ontario on a cost-sharing basis in projects proposed by Ontario in developments of the industrial fishery such as exploratory fishing, gear and boat development, fish farming, handling, processing and distribution or marketing of fisheries products; on the basis that priorities are considered by the Industrial Development Subcommittee and funds are available.

10. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified

qualifications and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.

11. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

OPERATIONS BRANCH

At the re-organization of the Department in June, 1941, the Division of Operation and Personnel was established as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

P. O. Rhynas was transferred from the Department of Labour to organize an efficient concentration of services as Chief of the new Division.

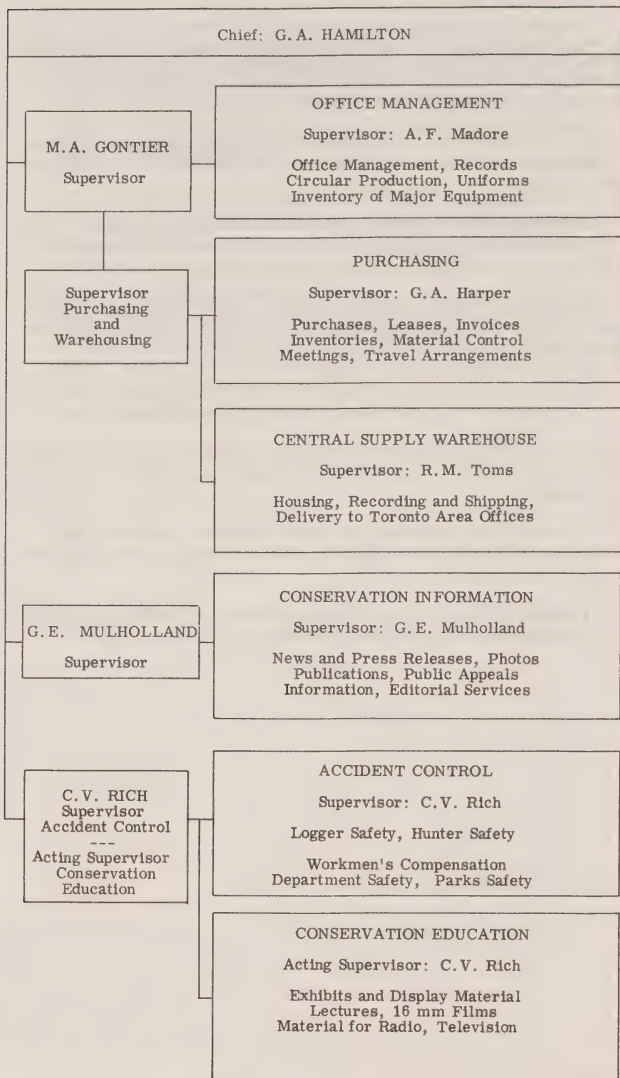
Operations was formed as a Division on December 1, 1957, with the separation of Personnel, and re-named Branch on December 1, 1959.

The sixth section, Accident Control, was formed when the Department assumed responsibility for the administration of The Loggers' Safety Act on November 20, 1964.

The objectives of Operations Branch are as follows.

1. To promote public understanding of Department activities and objectives in the management of Ontario's renewable, natural resources.
2. To develop and promote good safety practices in forest work, in recreational activities on public lands and waters, and in all Department operations.
3. To effect efficiency in purchasing and in other assigned services performed for branches and field offices.

OPERATIONS BRANCH



HUNTER SAFETY TRAINING PROGRAM*

<u>Year</u>	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		
	<u>at December 31</u>	<u>Yearly</u>	<u>To Date</u>	<u>Non Fatal</u>	<u>Fatal</u>	<u>Total</u>
1957	369	281	281	...	..	...
1958	1,433	1,668	1,949	...	..	...
1959	2,690	2,780	4,729	...	..	...
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965	3,075	17,577	102,611	100	11	111
1966	2,500	19,342	121,953	117	13	130
1967	1,741	16,349	138,302	99	13	112
1968	904	9,645	147,947	86	10	96

CAUSES OF ACCIDENTS IN 1967

INTENTIONAL DISCHARGE:

	<u>%age of Total</u>
Victim mistaken for game.....	4
Victim out of sight of shooter.....	16
Victim covered by shooter swinging on game.....	10
Victim moved into line of fire.....	9
Sub-total...	39

UNINTENTIONAL DISCHARGE:

Shooter tripped or stumbled.....	10
Trigger caught on brush, clothing, etc.....	6
Defective weapon.....	10
"Horseplay".....	1
Loading and Unloading.....	12
Crossing fence, etc., with loaded weapon.....	2
In vehicle with weapon loaded.....	1
Removing from or placing in vehicle.....	2
Weapon fell from insecure rest.....	2
All other circumstances.....	15
Sub-total...	61

*Mandatory for new hunters since September 1st, 1960.

WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944	\$	\$	\$	\$ 12,850	98	\$...
1945	.....	.....	.....	14,540	120	...
1946	.....	.....	.....	14,249	129	...
1947	.....	.....	.....	21,560	182	...
1949	.....	.....	.....	35,989	494	...
1950	.....	.....	.....	50,989	501	...
1951	.....	.....	.....	43,951	394	...
1952	.....	.....	.....	54,158	368	...
1953	.....	.....	.....	51,169	417	65
1954	.....	.....	.....	64,693	494	78
1955	.....	.....	.....	63,357	455	69
1956	.....	.....	.....	106,962	910	78
1957	.....	.....	.....	85,159	588	80
1958	.....	.....	.....	101,376	727	77
1959	.....	.....	.....	132,572	874	98
1960	.....	.....	.....	150,709	687	139
1961	.....	.....	.....	130,210	649	106
1962	16,531	.....	.....	120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96
1966	2,433	11,382	2,489	144,673	567	118
1967	3,083	19,026	9,396	171,315	588	159
1968	8,257	27,876	9,292	216,785	716	200

*Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

Years Ending 31st March	No. Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	ADVERTISEMENTS			Tons of Supp- lies	PRINTED MATERIAL		
					* Letters of Enquiry Answered	Adminis- tration	Conser- vation		Licences	Parks Permits	Publi- cations
1947	25	.....	.....	8	4,200	508	65	...	.....	.....	.....
1958	26	.....	.....	13	6,900	...	..	...	.....	.....	.....
1949	28	.....	.....	15	7,700	130	57	150	701,450	.....	.....
1950	28	.....	1,800	38	8,065	60	44	160	774,470	.....	.....
1951	38	.....	1,800	64	7,200	127	43	170	802,900	.....	.....
1952	56	.....	1,800	64	8,100	57	39	175	868,300	.....	.....
1953	73	750	2,100	68	9,000	74	27	176	910,480	.....	.....
1954	89	750	1,800	75	9,000	57	36	200	1,005,000	.....	.....
1955	119	750	3,500	75	7,000	103	45	470	1,055,299	.....	.....
1956	159	1,000	4,500	75	8,400	99	55	...	1,120,654	.....	.....
1957	178	1,500	6,000	75	10,800	112	53	488	1,154,000	.....	.....
1958	208	1,500	9,000	75	14,600	93	52	350	1,212,920	271,600	.....
1959	226	1,800	9,200	75	21,010	139	54	218	1,279,067	300,000	1,941,819
1960	226	1,900	9,000	75	26,000	140	55	377	1,260,917	300,000	2,124,688
1961	234	2,000	9,000	75	29,200	50	49	308	1,363,712	689,000	1,155,151
1962	250	3,000	9,000	75	30,000	52	44	253	1,392,043	825,900	1,196,414
1963	260	3,700	9,000	75	30,300	150	50	228	1,432,902	1,000,850	1,442,523
1964	260	3,800	9,200	75	32,000	178	50	247	1,542,810	1,057,730	1,918,841
1965	255	3,800	9,200	75	33,000	161	50	246	1,581,980	1,125,725	2,211,227
1966	255	4,200	9,500	75	34,500	146	30	217	1,669,084	1,058,325	2,082,753
1967	233	4,700	9,500	75	35,300	228	30	...	1,756,000	851,800	2,281,501
1968	255	5,200	9,500	80	35,900	225	20	244	2,000,000	851,800	3,079,264
*Information supplied by mail.											

*Information supplied by mail.

LANDS AND FORESTS PUBLICATIONS

as of December 31, 1968

(Technical papers and management reports are not included.)

Code

FW

FISH AND WILDLIFE

- 2 Commercial Fishing in Ontario
- 4 Summary of the Ontario Regulations which apply to Trapping and Fur Dealing
- 5 Fur in Ontario
- 6 Meet the Wildlife of Ontario's Outdoors \$0.35
- 7 Fishing in Lake Simcoe 1.00
- 8 The Game and Fish Act and the Ontario Fishery Regulations
- 9 Summary of the Ontario Fishery Regulations
- 10 Summary of the Ontario Big Game Hunting Seasons
- 11 Wolves and Coyotes in Ontario
- 12 Summary of the Ontario Hunting Regulations
- 14 The Lake Sturgeon
- 15 Ontario Snakes
- 16 Fishes of Ontario 2.50

OR

OUTDOOR RECREATION

- 1 The Ontario Outdoorsman's Manual 0.25
- 3 Hunter's Handbook, Part I
- 4 Hunter's Handbook, Part II
- 5 How to Qualify for a Hunting Licence in Ontario.
- 6 The Ten Commandments of Hunter Safety
- 7 Why Hunter Safety Training?
- 8 How To Survive in the Woods
- 9 Hunt the James Bay Lowlands with the Cree
- 10 The Scent of Death

PP

PROVINCIAL PARKS

- 1 Provincial Parks of Ontario
- 2 Algonquin Provincial Park
- 4 Canoe Routes---Quetico
- 5 Quetico Provincial Park
- 7 Canoe Routes--North Georgian Bay Recreational Reserve

F

FORESTS

- 1 The Forest Trees of Ontario 0.50
- 2 Hardwood Trees of Ontario with Bark Characteristics 0.50
- 3 The Forest Resources of Ontario
- 4 Growing Christmas Trees in Ontario
- 5 Farm Forestry Service for You
- 6 Forestry Assistance to Private Landowners in Ontario
- 7 Planning for Tree Planting
- 8 Care and Planting of Forest Trees
- 10 Manual of Seed Collecting
- 12 The Crown Timber Act, etc.

FP FOREST PROTECTION

- 1 Our Forests are Burning
- 2 Tower Jack
- 3 The Forest Fires Prevention Act

FI FOREST INDUSTRY

- 1 Lumber in Ontario
- 5 Directory of Primary Wood-Using Industries in Ontario
- 6 Manual of Scaling Instructions
- 7 The Loggers' Safety Act
- 8 Directory of Secondary Wood-Using Industries in Ontario

LW LAND AND WATER

- 3 Ontario Resources Atlas (maps in Colour)..... \$1.00
- 4 Summer Cottage Lands in Ontario
- 5 Price List of Lithographed Maps and Plans

A ADMINISTRATION

- 1 Annual Report of the Minister of Lands and Forests
- 2 A Statistical Reference of Lands and Forests Administration
- 4 Ontario Junior Forest Ranger Programme
- 5 List of Publications for Distribution

H HISTORY

- 1 Algonquin Story \$ 2.50
- 3 Indians of Ontario 1.00
- 6 Fifty Years of Reforestation in Ontario 0.50
- 8 Arrayed-in-Wampum 2.50

FDH FOREST DISTRICT HISTORIES

- | | | |
|-----------------|----------------|---------------------|
| 1 Kapuskasing | 9 Lake Erie | 17 Kemptville |
| 2 Geraldton | 10 Kenora | 18 Lindsay |
| 3 Lake Huron | 11 Gogama | 19 Tweed |
| 4 Port Arthur | 12 Parry Sound | 20 Sault Ste. Marie |
| 5 White River | 13 North Bay | 21 Sudbury |
| 6 Sioux Lookout | 14 Cochrane | 22 Pembroke |
| 7 Lake Simcoe | 15 Swastika | |
| 8 Fort Frances | 16 Chapleau | |

RENEWING NATURE'S WEALTH, a Centennial History of the Public Management of Lands, Forests and Wildlife in Ontario, was published by the Department of Lands and Forests in 1967. It may be purchased at \$9.50 per copy at book stores or from the distributors: Copp Clark Publishing Company, 517 Wellington Street West, Toronto 2B, Ontario.

NEW POLICIES

[illegible]

PARKS BRANCH

The objectives of Parks Branch are as follows:

1. To reserve areas and establish Provincial Parks to accommodate existing and anticipated demands of recreational and educational activities usually associated with the natural environment; and to preserve important or unusual features of natural or historical significance.
2. To preserve the natural and historical environment by permitting only those activities that will not alter the basic environment for which the park was intended.
3. To promote in park visitors an appreciation of park environment and an inspirational enjoyment of nature.

The Division of Parks was established on October 1, 1954, with the late W.B. Greenwood as Chief. It was renamed Parks Branch in 1959.

A.B. Wheatley was appointed Chief on April 1, 1961.

D.R. Wilson was Chief from May 1, 1965, until January 1, 1967, when he was appointed Director of the Southern Region.

P. Addison was appointed Chief on January 1, 1967.

In 1965, Parks Branch was enlarged and re-organized into three sections: Recreational Planning, Park Planning and Development, and Park Management.

In 1967, the responsibility of establishing, operating and maintaining Access Points, Wilderness Areas, Canoe Routes and Hiking Trails was transferred from Lands and Surveys Branch to Parks Branch.

Waterfowl hunting and pheasant hunting on a put-and-take basis are provided in certain parks and are well received by the public. Waterfowl hunting is provided in Darlington, Holiday Beach, Long Point, Presqu'ile and Rondeau parks. Pheasant hunting is provided at Darlington, Earl Rowe, Presqu'ile and Sibbald Point parks.

Moose and deer hunting are permitted in season in Bruton and Clyde townships in Algonquin Park and in Lake Superior Park.

To extend the use of provincial parks, facilities for skating have been provided in Darlington Park; for tobogganing in Kap-Kig-Iwan Park; and for skating, skiing, and tobogganing in Pinery Park.

During 1968, 96 provincial parks were in operation, providing an area of approximately 3,800,000 acres for public recreational use.

PARKS BRANCH

Chief: P. ADDISON

RECREATIONAL PLANNING

Supervisor: J.W. Keenan

Long Range Planning for Parks
and Related Public Recreational Areas
and Activities

PARKS PLANNING AND DEVELOPMENT

Supervisor: R.H. Hambly

Detailed Master Plans for Parks
and Control of All Park Development
According to Approved Design

PARK MANAGEMENT

Supervisor: W.H. Charlton

Establishment and Control of Standards
of Park Operations, and Supervision
of Operating Expenditures and Revenue

Establishment, Operation and Maintenance
of Interpretive Programs
(Museums, Exhibit Centres, Publications,
Illustrated talks and Conducted Trips)

Establishment, Operation and Maintenance
of Canoe Routes, Hiking Trails,
Access Points and Wilderness Areas

Secretary to

ONTARIO PARKS INTEGRATION BOARD

C.R. Tilt

PUBLIC USE OF PROVINCIAL PARKS

Year	Camper- Days	Campers	Wilder- ness Campers	Vehicles	Total Visitors
1957	.....	116,000	.....	629,666	2,114,661
1958	.....	196,000	16,309	927,871	3,232,460
1959	.....	340,000	50,403	1,420,180	5,127,199
1960	.....	421,000	35,778	1,552,662	5,692,978
1961	.....	613,000	57,992	1,725,876	6,215,370
1962	.....	750,000	46,753	2,182,363	7,820,994
1963	.....	840,491	49,372	2,373,223	8,526,443
1964	.....	916,281	49,112	2,537,483	9,147,218
1965	2,495,284	902,472	53,653	2,437,988	8,875,668
1966	2,653,055	994,787	52,722	2,738,664	9,791,671
1967	2,805,123	1,155,091	49,957	2,817,362	10,192,533
1968	*	*	59,377	2,588,242	9,440,211

* Not available at time of publication.

ATTENDANCE AT INTERPRETIVE PROGRAMS

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
1946	1	3,436	.....	...	...	3,436
1947	1	5,917	.....	...	...	5,917
1948	1	6,854	.....	...	...	6,854
1950	1	.....	6,173	363	1,230	7,766
1951	1	.....	5,390	413	2,343	8,146
1952	2	200	14,341	752	3,017	18,310
1953	2	53,843	12,761	952	6,311	73,867
1954	3	72,889	18,920	1,353	9,714	102,826
1955	3	75,711	25,388	1,927	8,444	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	216,672	38,771	5,782	23,988	286,213
1960	9	298,129	46,679	6,958	24,296	376,062
1961	8	311,291	46,955	7,104	29,626	394,976
1962	12	374,475	55,553	9,748	47,641	487,417
1963	11	371,275	61,647	10,949	51,143	495,014
1964	12	390,792	80,815	10,458	49,235	531,300
1965	19	326,298	81,462	10,515	51,639	469,914
1966	21	392,403	88,004	11,453	53,161	545,021
1967	23	384,666	117,009	20,421	57,754	579,850
1968	23	420,617	114,731	14,123	121,127	661,598

1968 ATTENDANCE

Algonquin...	293,908	74,504	4,545	49,165	422,122
Presqu'ile..	21,601	4,073	704	5,431	31,809
Rondeau.....	25,412	.....	1,375	1,680	28,467
Pinery.....	11,071	.....	5,015	8,350	24,436
Inverhuron..	23,972	.....	.....	.....	23,972
Sibbald Point	17,429	.....	.....	5,800	23,229
Quetico.....	7,224	3,312	776	2,681	13,993
Killbear....	.....	5,211	739	9,400	15,350
Grundy.....	.....	2,358	199	6,415	8,972
Sibley.....	.....	838	597	2,096	3,531
Lake Superior	.....	955	173	2,103	3,231
Peterborough	.....	.....	.....	.....	.....
Petroglyphs.	20,000	.....	.....	.....	20,000
Other Parks.	.....	14,480	.....	28,006	42,486

GROWTH OF PROVINCIAL PARKS

The first eight Provincial Parks were established as follows: Algonquin in 1893; Rondeau, 1894; Quetico, 1909; Long Point, 1921; Presqu'ile, 1922; Ipperwash, 1938; and Lake Superior and Sibley in 1944. In the seven years following the formation of Parks Branch in 1954, sixty-nine new parks were opened to the public to give a total of 77 parks in operation in 1961.

YEAR	CAMPING		RESERVE AREAS		PROVINCIAL PARKS	
	Parks	Units	No.	Acreage	No.	Acreage
1961	68	10,591	18	201,826	77	3,465,973
1962	72	12,745	14	190,225	81	3,481,158
1963	74	13,951	27	270,503	86	3,696,368
1964	76	14,622	50	559,502	88	3,711,464
1965	80	15,427	55	437,338	89	3,742,160
1966	81	15,922	60	513,112	92	3,747,267
1967	83	16,201	61	530,780	94	3,756,255
1968	83	17,322	71	1,070,886	96	8,425,126

96 PROVINCIAL PARKS IN OPERATION IN 1968

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	1967 Campa- Days	1967 Camps	1968 Total Visitors
CHAPLEAU							
Five Mile Lake.....	1,010	Sep 29, 1958	0. Reg. 251/58	87	6,572	2,581	5,658
Ivanhoe.....	3,010	Jun 25, 1957	0. Reg. 144/57	144	.....	.....	25,660
Missinaibi Lake.....	111,782	.....	.....	...	.....	.....	.....
Wakami Lake.....	5,928	.....	.....	...	.....	.....	.....
COCHRANE							
Greenwater.....	10,970	May 21, 1963	0. Reg. 117/63	51	4,786	2,624	20,465
Kettle Lakes.....	2,417	May 21, 1963	0. Reg. 117/63	95	13,331	4,988	34,593
Tidewater.....	2,860	.....	.....	24	.....	.....	.....
Polar Bear.....	4,544,000	.....	.....	...	.....	.....	.....
FORT FRANCES							
Caliper Lake.....	246	Jul 22, 1960	0. Reg. 204/60	92	10,683	5,836	20,442
Lake of the Woods.....	2,673	Jul 11, 1967	0. Reg. 245/67	100	5,480	2,228	30,794
Quetico.....	1,148,800	Apr 1, 1909	Order-in-Council	135	21,996	8,720	54,515
GERALDTON							
Blacksand.....	3,353	Jul 22, 1960	0. Reg. 204/60	73	7,888	4,512	29,118
Klotz Lake.....	210	Jul 22, 1960	0. Reg. 204/60	33	4,509	2,942	14,230
MacLeod.....	200	May 21, 1963	0. Reg. 117/63	80	10,584	4,063	26,332
Rainbow Falls.....	1,422	May 21, 1963	0. Reg. 117/63	204	30,731	24,766	68,250
Neys.....	8,150	Dec 28, 1965	0. Reg. 346/65	90	15,208	13,867	42,077
KAPUSKASING							
Nagagamis.....	11,878	May 21, 1963	0. Reg. 117/63	80	9,713	2,457	17,792
Remi Lake.....	6,654	Jun 25, 1957	0. Reg. 144/57	80	10,325	4,880	42,565
KEMPTVILLE							
Fitzroy.....	396	May 21, 1963	0. Reg. 117/63	240	26,476	14,972	101,726
Rideau River.....	333	May 21, 1963	0. Reg. 117/63	186	35,607	14,527	170,315
Silver Lake.....	78	May 21, 1963	0. Reg. 117/63	197	43,108	13,977	85,765
South Nation.....	13	Jul 22, 1960	0. Reg. 204/60	28	9,207	7,317	36,728

KENORA

Aaron	127	Sep 29, 1958	0. Reg. 251/58	70	14,583	12,581	47,006
Rushing River	395	Sep 29, 1958	0. Reg. 251/58	160	34,610	15,716	110,423
Sioux Narrows.....	265	Jun 25, 1957	0. Reg. 144/57	70	9,048	4,433	38,227
Blue Lake	873	Jul 22, 1960	0. Reg. 204/60	125	16,164	8,530	32,293

LAKE ERIE

Holiday Beach	452	Oct 6, 1958	0. Reg. 254/58	56	10,093	4,183	92,087
Ipferwash	141	Jun 24, 1938	Order-in-Council	266	109,417	16,402	277,329
Long Point	848	May 3, 1921	(Act-See Above)	327	67,328	18,065	246,698
Pinery	4,850	Oct 11, 1957	0. Reg. 229/57	1,125	225,876	61,645	500,303
Rock Point	1,190	Jun 25, 1957	0. Reg. 144/57	47	8,524	5,101	37,372
Rondeau	11,451	May 5, 1894	(Act-See Above)	433	119,949	38,389	512,313
Turkey Point	782	Apr 21, 1959	0. Reg. 70/59	472	28,568	14,608	249,949
John E. Pearce	104	May 21, 1963	0. Reg. 117/63	**	.....	.....	.....
Port Bruce	5	.....	.....	**	.....	.....	.....
Wheatley	581	.....	.....	120	15,234	6,552	66,462
Selkirk.....	153	Oct 13, 1967	0. Reg. 358/67	168	5,398	2,832	33,805

LAKE HURON

Craigleith	133	Jul 11, 1967	0. Reg. 245/67	172	36,344	14,617	42,561
Inverhuron	545	Jul 11, 1967	0. Reg. 245/67	324	65,027	18,707	173,820
Sauble Falls	177	.....	.....	146	39,321	12,281	130,394
Point Farms	555	.....	.....	215	19,183	7,762	80,696

LAKE SIMCOE

Bass Lake	87	Jun 25, 1957	0. Reg. 144/57	153	46,396	16,654	109,421
Devils Glen	27	Dec 28, 1965	0. Reg. 346/65	80	5,598	3,359	58,210
Earl Rowe	743	Jun 29, 1964	0. Reg. 161/64	425	27,469	14,716	235,595
Sibbald Point	499	May 21, 1963	0. Reg. 117/63	725	86,463	28,519	274,184
Six Mile Lake	178	Feb 24, 1958	0. Reg. 42/58	180	32,306	15,844	100,964
Springwater	116	Sep 29, 1958	0. Reg. 251/58	**	.....	.....	71,143
Wasaga Beach	288	May 21, 1963	0. Reg. 117/63	**	.....	.....	830,149
Mara	99	.....	.....	100	15,332	6,622	58,009

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	1967 Camper- Days	1967 Campers	1968 Total Visitors
LINDSAY							
Darlington.....	380	Oct 30, 1959	0. Reg. 253/59	400	50,419	40,073	109,006
Emily.....	157	Jun 25, 1957	0. Reg. 144/57	240	43,351	15,334	149,072
Mark S. Burnham.....	100	Jul 21, 1955	0. Reg. 148/55	..	.....	.....	12,433
Presqu'ile.....	2,170	May 18, 1922	(Act-see Above)	500	87,655	61,903	238,946
Serpent Mounds.....	70	Jun 25, 1957	0. Reg. 144/57	130	43,219	14,575	175,188
Balsam Lake.....	1,040	Sep 6, 1968	0. Reg. 320/68	400	29,872	11,663	69,797
Ferris.....	159	.....	.....	..	.....	.....	.....
NORTH BAY							
Antoine.....	23	.....	.....	30	2,497	1,604	9,864
Finlayson Point.....	74	May 21, 1963	0. Reg. 117/63	136	20,576	8,785	36,244
Marten River.....	1,034	May 21, 1963	0. Reg. 117/63	234	32,052	14,182	43,047
Samuel de Champlain...	2,220	Oct 13, 1967	0. Reg. 358/67	224	27,441	19,426	59,666
PARRY SOUND							
Grundy Lake.....	6,310	Apr 21, 1959	0. Reg. 70/59	537	91,809	29,880	170,454
Oastler Lake.....	49	Jul 11, 1967	0. Reg. 245/67	170	45,419	15,345	196,370
Killbear Point.....	3,000	.....	.....	878	150,125	28,139	306,967
Mikisew.....	99	Jun 29, 1964	0. Reg. 161/64	256	27,352	6,677	43,213
Sturgeon Bay.....	20	Jul 22, 1960	0. Reg. 204/60	87	21,842	6,142	65,111
Restoule.....	1,417	May 21, 1963	0. Reg. 117/63	229	15,778	3,607	41,466
Arrowhead.....	1,880	.....	.....	102	9,859	4,288	57,562
PEMBROKE							
Algonquin.....	1,862,402	May 27, 1893	(Act-see Above)	1,369	277,194	89,835	632,823
Carson Lake.....	15	.....	.....	46	10,200	5,109	6,969
Driftwood.....	655	May 21, 1963	0. Reg. 117/63	98	18,590	10,259	8,860
Bonnechere.....	252	.....	.....	60	4,239	1,641	10,367
PORT ARTHUR							
Inwood.....	82	Sep 29, 1958	0. Reg. 251/58	62	17,647	17,138	25,670
Sibley.....	57,780	Jan 13, 1944	Order-in-Council	180	18,127	9,550	45,885
Kakabeka Falls.....	841	Jul 11, 1967	0. Reg. 245/67	149	38,129	29,549	252,125
Middle Falls.....	11	Jul 22, 1960	0. Reg. 204/60	20	4,028	3,734	35,426

SAULT STE MARIE							
Pancake Bay	710	Sep 6, 1968	0. Reg. 320/68	278	37,110	28,849	124,201
Batchawana	33	.....	.....	..	.....	.....	21,950
Mississagi	95,360	.....	.....	38	7,396	2,980	27,577
SIOUX LOOKOUT							
Pakwash	1,507	Jul 11, 1967	0. Reg. 245/67	57	7,823	1,561	6,235
Ojibway	6,130	May 21, 1963	0. Reg. 117/63	68	4,906	1,140	1,880
SUDBURY							
Fairbank	85	Jun 25, 1957	0. Reg. 144/57	132	17,908	12,099	57,948
Windy Lake	293	Apr 4, 1959	0. Reg. 88/59	76	15,491	6,033	71,544
Chutes	239	.....	.....	91	24,248	22,354	64,756
Killarney	84,350	Jul 17, 1964	0. Reg. 183/64	102	11,869	3,006	45,524
SWASTIKA							
Esker Lakes	7,680	Jun 25, 1957	0. Reg. 144/57	136	11,193	3,457	20,261
Kap-Kig-Iwan	759	May 21, 1963	0. Reg. 117/63	64	4,592	3,217	27,684
TWEED							
Black Lake	77	May 21, 1963	0. Reg. 117/63	200	23,434	11,878	54,089
Lake on the Mountain ..	256	Jun 25, 1957	0. Reg. 144/57	..	.....	.....	.....
Lake St. Peter	61	.....	.....	60	7,782	3,076	29,639
Outlet Beach	305	May 21, 1963	0. Reg. 117/63	480	69,365	25,096	379,271
Sandbanks	1,210	.....	.....	..	.....	.....	46,477
Bon Echo	14,020	.....	.....	400	56,137	19,719	134,769
North Beach	66	.....	.....	..	.....	.....	45,009
WHITE RIVER							
White Lake	3,980	May 21, 1963	0. Reg. 117/63	225	33,584	21,041	79,429
Obatanga	34,240	Jul 11, 1967	0. Reg. 245/67	85	15,479	13,338	15,300
Lake Superior.....	340,478	Jan 13, 1944	Order-in-Council	315	45,877	37,892	147,699
TOTAL				17,322	2,805,123	1,155,091	9,440,211

71 PROVINCIAL PARK RESERVE AREAS 1968

DISTRICT Reserve Area	AREA (Acres)	LOCATION
COCHRANE		
Pierre-Montreuil	46,000	McQuibban, Swartman Twps.
Long Point Peninsula	18,500	Lake Abitibi
Dana Lake	6,400	Carscallen, Keefer, Denton Twps.
FORT FRANCES		
Warner Lake	7,450	South of Tanner Twp.
Sandpoint Island	1,970	Rainy Lake
Pow-wow Campgrounds ..	1,730	Shoal Lake
GERALDTON		
Purgatory Chutes	100	South of Fernow Twp.
Steel River	2,700	Twp. 81
Esnagami River	58,000	Esnagami, Alpha, Rupert Twps.
Partridge Lake	6,500	Legault, Colter Twps.
Kama Bay	1,750	Twps. 88, 89, 91
Lukinto Lake	2,250	South of O'Meara Twp.
Humboldt Lake	73,000	Lake Nipigon
KAPUSKASING		
Lake Nagagami	4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Fushimi Lake	26,775	Fushimi, Bannerman, Stoddart, Hanlan Twps.
KEMPTVILLE		
Murphy's Point	1,161	North Burgess Twp.
Charleston Lake	1,658	Lansdowne Twp.
Carillon	1,714	East Hawkesbury Twp.
Mouth of Tay	165	North Elmsley Twp.
Kilmarnock	80	Montague Twp.
KENORA		
Pipestone	3,530	Lake of the Woods
Pistol Lake	4,000	Minaki Area
LAKE ERIE		
Point Burwell	380	Bayham Twp.
Low Point	266	Dunne Twp.
Effingham	571	Thorold, Pelham Twps.
LAKE HURON		
Cyprus Lake	1,149	St. Edmunds Twp.
P.R. Hilborn	178	Waterloo Twp.
Stokes Bay	272	Eastnor Twp.
LAKE SIMCOE		
Matchedash	6,200	Matchedash Twp.
Methodist Point	2,800	Tiny Twp.
McRae Point	162	Mara Twp.
Scugog Island	277	Scugog Twp.
Duclos Point	160	Georgina Twp.
Noisy River	100	Nottawasaga Twp.
LINDSAY		
Red Pine Lake	6,580	Sherborne, Stanhope Twps.
Silent Lake	1,857	Cardiff Twp.
Kawartha Highlands	3,804	Cavendish, Anstruther Twps.
Gull River	20	Somerville, Laxton Twps.
Wolf Island	464	Harvey Twp.
Kendall Recreation Area .	247	Harvey Twp.

NORTH BAY			
Greenwood	23, 000		Coleman, Banting, Best Brigstocke Twps.
Mashkinonje	2, 543		Haddo Twp.
PARRY SOUND			
McDonald Bay.....	1, 100		Baxter, Gibson Twps.
O'Donnell Point	2, 130		Freeman Twp.
Round Lake	24, 265		Shawanaga, Ferguson, Burpee Twps.
South Bay	3, 936		Nipissing Twp.
Bigwind Lake	5, 400		Oakley Twp.
Shawanaga Basin.....	2, 560		Shawanaga, Harrison Twps.
PEMBROKE			
Round Lake.....	569		Richards Twp.
PORT ARTHUR			
Silver Falls.....	8, 800		Dog Lake
Kopka Lake.....	89, 650		West side of Lake Nipigon
Kashabowie Lake.....	19, 130		Kashabowie Lake
Arrowhead Penn.....	850		North Light Lake
Inwood	1, 000		Inwood Twp.
Eaglehead Lake	750		Eaglehead Lake
Arrow Lake	100		Arrow Lake
Ouimet Canyon.....	510		Dorion Twp.
SAULT STE MARIE			
Aubrey Falls	17, 000		Twp. 4D, Mississaugi River
SIOUX LOOKOUT			
Irregular Lake	370, 000		40 Miles SW of Red Lake
White Otter Lake	60, 000		25 Miles NW of Atikokan
SUDBURY			
Wahnipitae Lake.....	1, 300		Rathbun Twp.
Halfway Lake	58, 240		Muldrew, Antrim, Athlone, Morse Twps.
Dividing Lake	2, 900		Chester, Invergarry Twps.
Lacloche Lake	6, 200		Harrow Twp.
SWASTIKA			
McCann	640		McCann Twp
TWEED			
Frontenac	8, 817		Bedford, Loughborough Twps.
McKenzie Lake	1, 300		McClure Twp.
Casey Point	81		Kingston Twp.
WHITE RIVER			
Kawapitapika Lake	2, 800		Cecile, Knowles Twps.
Kakakiwibik Lake	58, 880		Twp. 66, Cooper, Tedder Twps.
TOTAL	1, 070, 886		

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with S. H. C. Parsons as Supervisor; it was named Branch on December 1, 1959.

A. J. Herridge was appointed Supervisor on July 20, 1966, and Chief on August 1, 1966.

J. M. Taylor was appointed Chief on January 1, 1967.

The objectives of Personnel Branch are as follows.

1. To provide adequate, competent staff for the Department.
2. To encourage good job performance through a career concept based on promotion, in-service academic and technical training, and up-to-date position classification.

Personnel Branch is divided into five sections with duties and responsibilities as follows.

EMPLOYMENT: Recruitment of staff, including Junior Forest Rangers; recruiting activities at universities and technical schools; job advertising; transfers and promotions; establishment and complement control.

CLASSIFICATION AND JOB EVALUATION: Identification of positions; analyses recommendations of classes; preparation of position specifications and organization charts; salary surveys; and assignment of qualified employees to positions.

TRAINING AND SPECIAL ASSIGNMENTS: Department training courses; arranging for employees to attend courses given by outside agencies; liaison with Ontario Forest Technical School and Educational Leave Committee; processing of employee grievances; and special assignments.

EMPLOYEE RELATIONS: Counselling of employees; improvement of communications between field and head office staffs; investigations of problems relating to personnel; liaison with Staff Relations Branch, Treasury Board and Civil Service Association of Ontario.

OFFICE MANAGEMENT: Personnel and attendance reports; leave-of-absence recommendations; processing of nominations; separations; group insurance; merit increases; accelerated increases and salary revisions.

Chief: J. M. TAYLOR

EMPLOYMENT

Supervisor: C.H. Bennett

CLASSIFICATION AND JOB EVALUATION

Supervisor: W.W. Tweed

TRAINING AND SPECIAL ASSIGNMENTS

P. Suessmuth

EMPLOYEE RELATIONS

A. Jackel

OFFICE MANAGEMENT

Supervisor: D.G. Grant

NUMBER OF EMPLOYEES in years ending March 31st						STAFF TURNOVER		
Year	Reg- ular	Probationary	Monthly	*Cas- ual	Total	Discontinued From Reg & Prob Staff		
						**Age	Misc.	Total
1943	304	218	..	339	861	..	..	..
1944	310	268	..	397	975	..	..	..
1945	324	305	..	929	1,558	..	..	..
1946	373	318	..	573	1,264	..	..	..
1947	523	562	..	527	1,612	..	..	..
1949	1,167	196	..	562	1,925	..	..	..
1950	1,352	157	..	580	2,089	..	..	..
1951	1,420	141	..	701	2,262	28	99	127
1952	1,441	181	..	790	2,412	17	122	139
1953	1,518	158	..	680	2,356	19	96	115
1954	1,546	175	..	633	2,354	34	95	129
1955	1,618	142	..	727	2,487	23	94	117
1956	1,611	180	..	655	2,446	36	135	171
1957	1,583	175	..	929	2,687	31	137	168
1958	1,685	134	..	3,209	5,028	26	69	95
1959	1,759	113	..	2,750	4,622	34	58	92
1960	1,946	90	..	1,224	3,260	44	73	117
1961	2,096	121	320	1,734	4,271	38	55	93
1962	2,348	189	44	1,059	3,640	44	79	123
1963	2,368	181	40	701	3,290	58	97	155
1964	2,337	207	36	650	3,230	72	111	183
1965	2,309	193	24	625	3,151	49	244	293
1966	2,281	225	..	985	3,491	39	142	181
1967	2,270	297	..	777	3,344	35	157	192
1968	2,304	490	..	966	3,760	75	136	211

*Groups I, II and III. Does not include
extra fire fighters.

**Retirements, superannuations and deaths.

SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of April 1, 1968.

GROUPS	Head Office	Field	Total
Agricultural Technicians.....	2	3	5
Air Engineers.....	25	5	30
Biologists.....	28	36	64
Cartographers.....	4	..	4
Clerks.....	182	187	369
Communications Technicians...	9	15	24
Computer Programmer.....	5	..	5
Conservation Officers.....	7	252	259
Construction Superintendents..	..	2	2
Cooks and Food Service.....	8	5	13
Departmental Accountants.....	19	27	46
Draughtsmen.....	44	..	44
Drivers.....	3	7	10
Economists.....	2	..	2
Engineering Staff.....	3	..	3
Executive Officers.....	13	..	13
Foresters.....	65	138	203
Forestry Technicians.....	14	734	748
Highway Equipment Operators..	..	18	18
Inspector of Surveys.....	7	..	7
Instructors.....	10	..	10
Legal Officers.....	3	..	3
Machine Operators.....	28	..	28
Maintenance Staff.....	21	81	102
Mechanics.....	..	36	36
Miscellaneous Staff.....	34	..	34
Parks and Land Planners.....	6	..	6
Personnel Officers.....	17	..	17
Pilots.....	19	20	39
Photographers.....	3	..	3
Public Relations Officers....	8	..	8
Radio Operators.....	2	20	22
Rangers.....	3	237	240
Research Scientists.....	14	10	24
Research Supervisors.....	3	2	5
Safety Instruction Officers..	..	12	12
Section Supervisors.....	14	..	14
*Senior Administrative Officers	12	26	38
Stationary Engineers.....	5	6	11

SUMMARY OF CLASSIFICATIONS (Continued)

Permanent and Probationary Staff as of July 31, 1967.

GROUPS	Head Office	Field	Total
Stenographic Staff.....	132	117	249
Systems and Procedures Officers	11	..	11
Technician Equipment Development	3	..	3
Technician Laboratory.....	4	..	4
Technician Photographic.....	6	..	6
Total:.....	798	1996	2794

FORESTRY TECHNICIANS	Class 7	6	6	12
	Class 6	1	51	52
	Class 5	..	73	73
	Class 4	2	236	238
	Class 3	3	139	142
	Class 2	..	156	156
	Class 1	4	71	75

CONSERVATION OFFICERS	Class 7	1	4	5
	Class 6	1	8	9
	Class 5	1	18	19
	Class 4	2	34	36
	Class 3	2	36	38
	Class 2	3	133	136
	Class 1	..	16	16

*Assistant Deputy Minister.	1
Regional Directors.....	3
Branch Chiefs.....	10
Director Ontario Forest Technical School.....	1
Regional Forester.....	1
District Foresters.....	22

ON STAFF		NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st					
Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
...	...	1943	56	..	..	19	75
...	...	1944	45	..	..	13	58
...	...	1945	54	..	..	29	83
...	...	1946	55	..	..	14	69
...	...	1947	...	..	..	..	...
...	...	1949	85	18	2	10	115
...	...	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329
815	925	1966	222	72	7	27	328
835	1,217	1967	235	80	5	55	375
888	1,013	1968	249	88	5	46	388

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Chapleau.....	14	15	23	26	40	46	39	38	35
Cochrane.....	12	25	25	21	26	36	39	45	39	35	24
Fort Frances....	14	16	14	14
Geraldton.....	10	10	10	15	35	24	27	48	59
Gogama.....	10	15	12	21	25	34	43	27	38	36
Kapuskasing.....	8	10	14	12	12	21	32	43	33	28	34
Kenora.....	11	..	..	..	10	..	10	11	25
Lindsay.....	12	15	14	14	25	29	46	..	..	..
North Bay.....	10	13	12	18	21	26	27	21	22	30	38	38	38	48	35
Parry Sound.....	11	10	10	12	25	19	18	12	12	15	20	25	46	35	36
Pembroke.....	12	29	20	40	42	32	32	35	42	51	48	42	34
Port Arthur.....	13	15	11	8	24	13	36
Sault Ste. Marie	..	10	10	11	13	22	20	20	31	37	60	53	75	73	64
Sioux Lookout...	9	12	21	19	..	11	13	13
Sudbury.....	..	7	15	13	20	26	16	14	14	23	24	42	76	51	46
Swastika.....	8	28	32	24	24	27	31	11	43	24	24
Tweed.....	9	21	19	18	15	24	29	32	26	..	..	..
White River.....	12	11	22	23	28	42	62	39	49
TOTAL.....	21	40	59	92	148	237	289	242	312	403	524	557	614	550	564

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Chapleau.....	37	36	69	88	112	124	134	123	129	156
Cochrane.....	24	25	36	33	57	67	69	90	89	92
Fort Frances.....	23	12	12	24	49	42	45	65	69	70
Geraldton.....	64	46	60	55	94	113	115	116	116	110
Gogama.....	39	37	47	35	56	67	65	86	92	...
Kapuskasing.....	40	36	36	39	62	72	69	65	69	68
Kenora.....	26	13	12	13	39	45	47	89	85	89
Lake Huron.....	..	..	..	..	...	...	...	24	23	24
North Bay.....	38	26	36	34	73	113	121	113	115	111
Parry Sound.....	37	36	46	55	93	137	139	136	134	141
Pembroke.....	34	24	33	37	71	70	70	69	70	70
Port Arthur.....	39	24	25	36	132	137	135	130	138	140
Sault Ste. Marie.	63	67	64	65	119	136	141	136	135	119
Sioux Lookout.....	15	13	..	23	47	49	54	76	74	81
Sudbury.....	39	49	48	57	113	138	140	137	139	210
Swastika.....	26	24	48	40	98	116	113	114	110	112
White River.....	49	35	47	47	85	93	94	89	88	113
TOTAL	593	503	619	681	1,300	1,519	1,551	1,658	1,675	1,706

ASSISTANT DEPUTY MINISTER
R.D.K. ACHESON

REGIONAL DIRECTORS

L. RINGHAM-----	NORTHWESTERN Forestry Building, 14 North Algoma Street, Port Arthur. Telephone 345-6543 Area Code: 807
J. W. LOCKWOOD-----	NORTHEASTERN 174 Douglas Street, Sudbury. Telephone 673-1111 Area Code: 705
J. W. GILES-----	SOUTHERN R. R. 2, Maple. Telephone Toronto 832-2261 Area Code: 416

REGIONAL FORESTER

T.W. HUESTON-----	SOUTH-CENTRAL Box 1598, Huntsville. Winter Telephone: 789-7121 Summer Telephone: 633-5572 Algonquin Provincial Park Area Code: 705
-------------------	--

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles as of May 22, 1968)	ADMINISTRATIVE DISTRICT			FIRE DISTRICT		
	Land	Water	Total	Land	Water	Total
Chapleau.....	9,186	863	10,049	9,186	863	10,049
Cochrane.....	58,174	5,319	63,493	49,678	3,720	53,398
Fort Frances.....	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton.....	35,543	9,807	45,350	35,543	9,807	45,350
Gogama.....	5,931	446	6,377	5,931	446	6,377
Kapuskasing.....	22,595	1,125	23,720	22,595	1,125	23,720
Kemptville.....	5,632	313	5,945	596	31	627
Kenora.....	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie.....	6,905	6,142	13,047	.....	.....	.....
Lake Huron.....	8,860	6,486	15,346	723	22	745
Lake Simcoe.....	4,710	1,444	6,154	228	19	247
Lindsay.....	5,097	1,692	6,789	2,718	232	2,950
North Bay.....	4,969	887	5,856	4,969	887	5,856
Parry Sound.....	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke.....	4,765	410	5,175	4,749	409	5,158
Port Arthur.....	16,933	3,067	20,000	16,933	3,067	20,000
Sault Ste. Marie.....	6,297	2,281	8,578	6,154	2,281	8,435
Sioux Lookout.....	103,392	10,610	114,002	67,778	7,512	75,290

Sudbury.....	10,473	4,505	14,978	9,349	1,450	10,799
Swastika.....	5,341	292	5,633	5,341	292	5,633
Tweed.....	6,734	1,706	8,440	4,465	311	4,776
White River.....	7,941	4,131	12,072	7,941	4,131	12,072
TOTAL.....	344,092	68,490	*412,582	269,491	43,569	313,060

*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

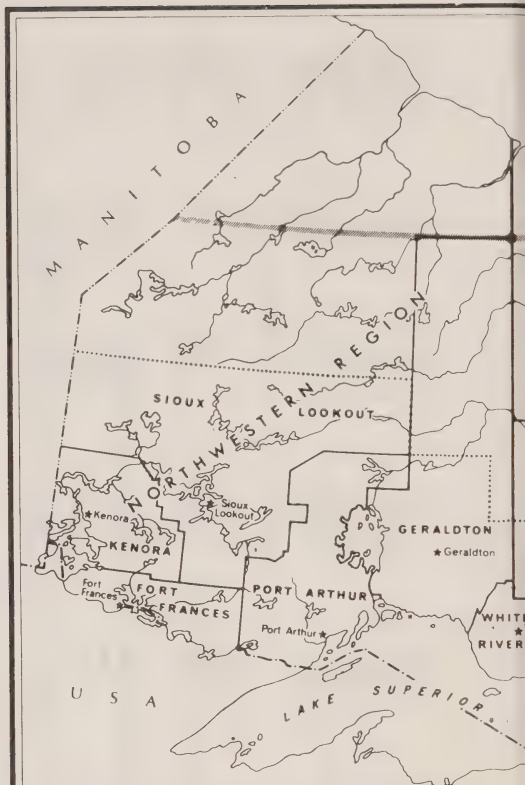
Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 3,497; Sault Ste. Marie, 1,770; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

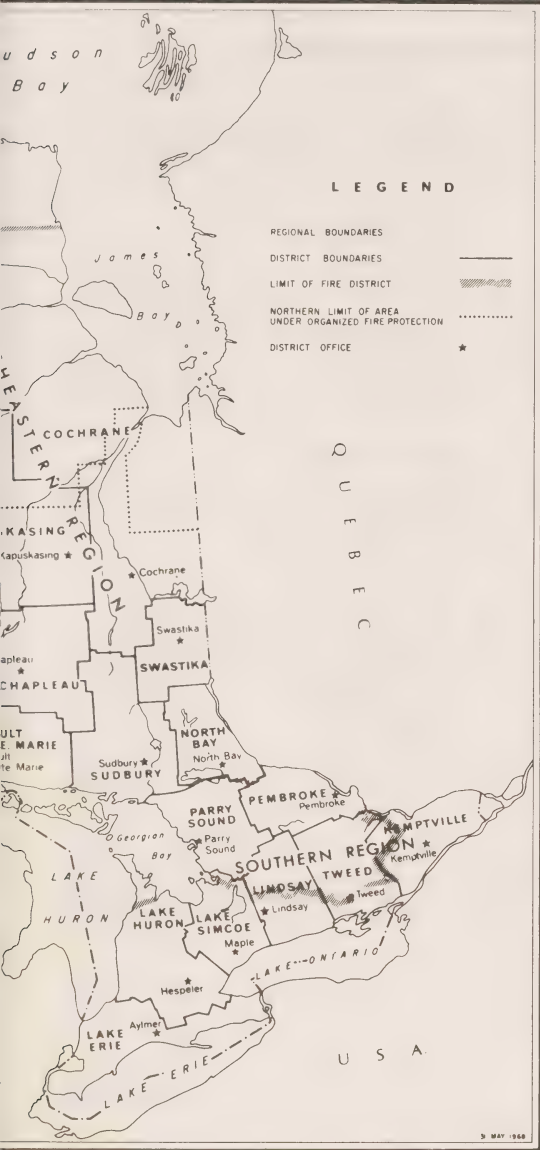
Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest known point in Ontario is Ogidaki Mountain. Township 24, Range 12, Algoma District, elevation 2,183 feet above mean sea level.

(SEE MAP OF DISTRICTS, PAGE 141)



MAP OF
THE PROVINCE OF ONTARIO
SHOWING
**ADMINISTRATIVE
DISTRICTS AND REGIONS**
OF THE
ONTARIO
DEPARTMENT OF LANDS AND FORESTS



CHAPLEAU FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 34 Birch Street, Chapleau.....	864-1710
Radio Room	after hours 864-1711
Chief Ranger	after hours 864-1712
Air Service.....	after hours 864-1713

District Forester..... *G. P. Elliott

SUPERVISORS

Accounts.....	L. Lingenfelter	864-0587
Fish and Wildlife	V. Crichton.....	864-1710
Biologist	R. Lewies.....	864-1231
Forest Protection.....	*W. A. Humphrey.....	864-1545
Lands	W. E. MacPhail	864-1146
Parks	W. E. MacPhail	864-1146
Timber.....	*C. R. Groves	864-0143
Scaling	E. Dew	864-0162

CHIEF RANGERS

Chapleau	*J. P. King	864-1710(1826)
Foleyet.....	H. R. Languerand....	98(70)
Sultan	G. Dingee	875 (862)

DEPUTY CHIEF RANGERS

Chapleau.....	W. E. Belisle	864-1710(0764)
Chapleau South	F. R. Bergin	864-1710(1842)
Wrong Lake	G. F. McAuley	864-1710(1535)
Racine Lake	H. G. Kohls	864-1710(0108)
Missinaibi	R. H. Dunne	864-1710(1237)
Foleyet East	J. M. Langlois	98(71)
Foleyet West.....	H. E. L. Morin	98

NUSERY

Chapleau.....	M. E. Hawkins	864-1717(1547)
---------------	---------------------	----------------

PROVINCIAL PARKS

Five Mile Lake.....	864-1710
The Shoals.....	864-1710
Ivanhoe.....	Foleyet..... 98
Missinaibi	864-1710
Wakami	Sultan
	875

* Duty Officers

COCHRANE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 140 Fourth Avenue, Cochrane.....272-4365

District Forester..... *L. H. Eckel.....272-4365(5056)

SUPERVISORS

Accounts F. W. Barnes272-4365(4796)

Fish and Wildlife S. Nodwell.....272-4365(4869)

Forest Protection.....272-4365

Assistant..... *V. Niemi.....272-4365(4164)

Lands H. E. Wright.....272-4365(5207)

Parks D. E. Stewart272-4365(5233)

Timber..... J. R. McKnight.....272-4365(4503)

Scaling E. McVeety..... 272-4365(3704)

CHIEF RANGERS

Cochrane *A. C. Hutchinson272-4365(5326)

Timmins A. F. Papineau.....264-1262(1678)

DEPUTY CHIEF RANGERS

CochraneW. R. Doyon.....272-4365(4130)

Cochrane W. J. Froude..... 272-4365
Frederickhouse 1R2

Cochrane A. E. Ross..... 272-4365(4997)

Timmins..... J. D. Bond.....264-1262(267-3574)

Timmins..... K. G. Wiskin.....264-1262(0829)

Timmins264-1262

Timmins R. H. Wagner264-1262(2669)

Smooth Rock Falls K. C. Veitch 338-2771(2614)

Moosonee R. G. Clermont.....336-2241(2549)

Wade Lake..... R. WoodallIroquois Falls
258-3415(3414)

PROVINCIAL PARKS

GreenwaterCochrane 272-4365

Kettle Lakes..... P. Baxter Connaught 3121

Charles Island Moosonee 336-2241

*Duty Officers.

FORT FRANCES FOREST DISTRICT

	Area Code: 807	Telephone	
		Office	Home
OFFICE: 922 Scott Street, Fort Frances ...		274-5337	
District Forester	*R.A. Balkwill	274-5337	274-6293

SUPERVISORS

Accounts.....	A.R. Taylor	274-5337	274-9406
Fish and Wildlife ..	D.J. D'Agostini ..	274-5337	274-6695
Biologist.....	A. Stalus	274-5337	274-6616
Forest Protection .	*R.V. Brady	274-5337	274-9818
Lands and Parks ..		274-5337	
Timber	E. Markus	274-5337	274-3991
Scaling	M.G. Elliott	274-5337	

CHIEF RANGERS

Fort Frances.....	*J.A. Murphy	274-5337	274-5704
Atikokan.....	F. Dustak	6850	28568

DEPUTY CHIEF RANGERS

Fort Frances	A.J. Korpi.....	274-5337	274-6522
Fort Frances	S.V. Roberts	274-5337	274-5680
Fort Frances	F.R. Dumeney ...	274-5337	274-6534
Atikokan.....	M.J. Kaliska.....	6850	28562
Rainy River.....	S.A. Kellar	852-3801	852-3360

UNIT FORESTER

Atikokan.....	A.G. Dougall.....	2188	6266
---------------	-------------------	------	------

PROVINCIAL PARKS

Caliper Lake	B. Houck		
	One-Sided Lake...	484-2181	484-5362
Lake of the Woods .		488-5531	
Quetico.....	C.R. Williams		
	Atikokan.....	6850	28563

*Duty Officers.

GERALDTON FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Beamish Avenue, Geraldton 854-1030

District Forester *D. E. Gage 854-1121

SUPERVISORS

Accounts.....	W. J. Martindale	854-1030
Fish and Wildlife	E. H. Stone	854-1030
Biologist.....	B. H. Gibson.....	854-1030
Forest Protection	*M. J. Morison	854-1030
Lands and Parks	A. F. Parker.....	854-1030
Timber	W. K. Fullerton	854-1030
Scaling	P. Harkema	854-1030

CHIEF RANGERS

Geraldton.....	P. Bellavance.....	854-1600
Longlac.....	R. W. Koski	876-2351
MacDiarmid	R. J. Kincaid.....	1 R 2
Pays Plat.....	B. J. Lapenskie	83
Nakina	R. Paterick	80

DEPUTY CHIEF RANGERS

Geraldton.....	M. Wasylkiw	854-1600
Geraldton.....	E. D. Turner	854-1600
Geraldton.....	W. Clark.....	854-1600
Longlac.....	M. Linard.....	876-2351
Longlac.....	A. Hoshino.....	876-2351
MacDiarmid	B. A. Norris.....	1 R 2
MacDiarmid	W. L. Cox	1 R 2
MacDiarmid	K. G. Horton	1 R 2
Pays Plat.....	K. E. Bowlier.....	83
Pays Plat.....	T. B. Scott	83
Nakina.....	A. B. Johnson	80

PROVINCIAL PARKS

Blacksand	R. J. Kincaid... MacDiarmid	1 R 2
Klotz Lake.....	R. W. Koski.. Longlac	876-2351
MacLeod	P. Bellavance.. Geraldton	854-1030
Neys	B. J. Lapenskie.. Schreiber	83
Rainbow Falls.....	B. J. Lapenskie.. Schreiber	83

* Duty Officers.

KAPUSKASING FOREST DISTRICT

Area Code: 705 (807)

Telephone

OFFICE: 5 Government Road, Kapuskasing..... (705) 335-2231

District Forester..... *D. A. Fawcett 335-5503

SUPERVISORS

Accounts	R. W. E. Stone	335-3360
Fish and Wildlife	M. R. Cusson	335-2438
Forest Protection	*J. L. Canfield	335-4154
Lands	*A. J. McGoey	335-5062
Parks	A. J. McGoey	335-5062
Timber	*J. W. Lloyd	335-3886
Scaling	V. M. Silver	335-5664

CHIEF RANGERS

Kapuskasing	B. J. Labonte	335-6321
Hearst	L. G. Woods	362-5803
Hornepayne	L. E. Grife	(807) 125

DEPUTY CHIEF RANGERS

Kapuskasing	J. A. Millette	335-4510
Kapuskasing	J. G. Duhaime	Opasatika 3341
Kapuskasing	D. C. Jones	335-5414
Hearst	B. R. Blais	362-4346
Hearst	E. J. Commanda	362-4346
Hearst	J. H. Thompson	362-4981
Hornepayne	W. R. Laurila	90

PROVINCIAL PARKS

Nagagamisis	C. A. McDonald ...	Hornepayne 90
Remi Lake	J. L. Sigouin	335-2321

*Duty Officers

KEMPTVILLE FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Provincial Government Bldg., Kemptville... 258-3413
Nights, Holidays 258-2298
(Direct Line From Head Office)

District Forester *R. M. Christie 258-3770

SUPERVISORS

Accounts	F. S. Bumstead	258-2483
Fish & Wildlife.....	D. O. Sylvester.....	258-2280
Forest Protection.....	*D. D. White	258-2780
Lands	D. D. White	258-2780
Parks	*E. A. Green.....	258-3209
Timber	*P. E. Anslow.....	258-2408

DEPUTY CHIEF RANGER

Lanark D. Kennedy..... 259-2108

MANAGEMENT FORESTERS

Kemptville.....	M. Schaefer	
	Merrickville	269-3352
Kemptville	A. J. Campbell.....	258-2523
Alexandria.....	B. Warwick	525-2443
Lanark	M. Millar.....	259-2108

FARM FORESTERS

Kemptville	..... C. F. Coons.....	Office	258-3413
		..... Home	258-2705

NURSERY

Kemptonville..... *H. H. de Vries 258-2323

PROVINCIAL PARKS

Fitzroy	F. W. Irwin	Arnprior...	623-5159
Rideau River	J. R. Uens	Kemptville...	258-2817
Silver Lake	C. Dawson	Maberly ..	9r31
South Nation		Plantagenet...	673-5072
Murphy's Point		Perth.....	267-1741
Carillon	A. L. Robinson	Hawkesbury	632-6098

* Duty Officers

KENORA FOREST DISTRICT

Area Code: 807 Telephone
Office Home

OFFICE: 936 Park Street, Kenora	468-9841	.....
District Forester... *K. K. Irizawa.....	468-9841	468-6223

SUPERVISORS

Accounts	G. C. McChesney	468-9841	468-8190
Fish and Wildlife ...	D. M. Brooks.....	468-9841	468-9174
Forest Protection...		468-9841	.....
Lands	J. A. Wynd.....	468-9841	548-4094
Parks		468-9841	.....
Timber	*R. J. Burgar	468-9841	468-9137
Scaling	G. C. Mackey.....	468-9841	547-2347

CHIEF RANGERS

Kenora	J. G. Minor	468-6600	468-8177
Dryden	L. E. Fleguel	223-2341	223-6644

DEPUTY CHIEF RANGERS

Kenora		468-6600	.....
Kenora	W. Neculeac	468-6600	468-9691
Kenora	A. W. Stone	468-6600	468-5106
Kenora	J. W. Mulash	468-6600	468-7478
Kenora		468-6600	.....
Minaki	D. Larmand	8	.....
Dryden	M. L. Frenette.....	223-2341	938-6497
Dryden	W. O. Hansson	223-2341	223-2521
Dryden	A. E. Lundmark ...	227-2660	938-6316
Dryden	R. B. Little	226-5668	223-6923
Dryden	R. W. McGillivray...	223-2341	938-6556
Sioux Narrows.....	D. L. Porlier	180	180
Vermilion Bay.....	C. E. Hansson.....	227-2660	227-2004

PROVINCIAL PARKS

Aaron	M. L. Frenette	938-6312	937-5386
Blue Lake.....	M. L. Frenette	227-2601	937-5386
Rushing River.....		548-9902	.....

* Duty Officers

LAKE HURON FOREST DISTRICT

Area Code: 519

Telephone

OFFICE: Beaverdale Road, Hespeler..... 658-9356
(Direct Line From Head Office)

District Forester F. L. Hall 623-3723

SUPERVISORS

Accounts	H. W. Makcrow	658-4015
Fish and Wildlife	W. D. Mansell.....	824-6125
Biologist		
Timber, Forest Protection..	R. N. Staley.....	623-7116
Lands and Parks	R. W. Jordan	822-1967

MANAGEMENT FORESTERS

Hespeler (Galt Work Area)..	G. H. Murchison	578-4005
Hespeler (Guelph Work Area)	W. G. Lovering.....	821-2967
Stratford		
Owen Sound (Bruce Work Area)		
	H. P. VanBers	376-4190
Owen Sound	V. W. Fisk	376-9391

PRIVATE LAND FORESTERS

Hespeler	R. C. Gilbert	621-9383
Owen Sound	J. W. Christie	376-1371

FISH HATCHERIES

Chatsworth	P. H. Hartman	794-2340
Warton	A. H. Draves	534-0770

PROVINCIAL PARKS

Craigleith	A. MacDonald	
	Collingwood	445-4467
Cyprus Lake	M. Marr Tobermory ...	2263
Inverhuron	G. E. Brown Tiverton ...	69W1
Point Farms	C. E. Bates Goderich ...	524-7124
Sauble Falls	S. H. Siegrist Hepworth..	935-2415

LAKE SIMCOE FOREST DISTRICT

Area Code: 416 (519, 705)

Telephone

OFFICE: R.R. 2, Maple Maple (416) 832-2261
Duty Officers 832-2262

District Forester F.E. Sider ext 218

SUPERVISORS

Accounts	G. C. Bragg	ext 215
Fish and Wildlife	R. H. Trotter	ext 211
Biologist	A. A. Wainio	ext 233
Lands	W. M. Mitchell	ext 224
Parks	H. V. Berg	ext 222
Timber	F. C. Robinson	ext 221 (223-7972)
Forest Protection	*F. C. Robinson	ext 221 (223-7972)

EXTENSION SERVICES

Biologist A.W. Smith ext 233 (884-6259)
Farm Forester *J. Kekanovich ext 213 (884-2262)
Forester D.C. McDermott ext 213 (727-6294)
Parks Naturalist A.M. Harjula ext 222 (481-5081)
Fire Control Officer *R.H. Smith..... ext 221 (727-5340)

ZONE FORESTERS

Maple	*J.D. Griffiths ext 220 (473-5852)
Orangeville	J.F. Christian.....(519) 941-4370
Angus	W.S. McNeice.....(705) 449-5312

UNIT FORESTER

SRMU, Coldwater..... E.G. Gillespie(705) 686-3342

DEPUTY CHIEF RANGER

Severn H.D. Cochrane (705) 686-7942

TREE SEED PLANT

Angus J.M. Halpenny.....(705) 449-5311

NURSERY

Midhurst J.M. Halpenny.....(705) 728-2846

PROVINCIAL PARKS

Bass Lake	R. G. Ellis	(705)	326-7054
Devils Glen	L. W. O'Dell	(705)	429-2516
Earl Rowe	W. Braden	(705)	435-7291
Mara .....	.....	(705)	326-4451
Sibbald Point	J. T. Linklater	(416)	722-5182
Six Mile Lake	B. W. Whalen	(705)	686-3342
Springwater	C. D. Jackson	(705)	728-7393
Wasaga Beach	L. W. O'Dell	(705)	429-2516

*Duty Officers.

LINDSAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Ontario Government Building,
 322 Kent Street West, Lindsay..... 324-6121
 (Direct Line from Head Office)
 District Forester.....*A. E. Walroth 324-6121 L2
 Acting District Forester. G. Simons 324-6121 L2

SUPERVISORS

Accounts H. C. Wallwin 324-6121 L6
 Fish and Wildlife*P. W. Swanson 324-6121 L26
 Forest Protection.....*B. B. Benson 324-6121 L12
 Lands*G. Simons 324-6121 L14
 Parks*P. R. Davidson 324-6121 L10
 Timber.....*R. A. Lockhart 324-6121 L9
 Scaling*W. E. Everett 324-6121 L8

CHIEF RANGERS

Minden P. J. Cassidy..... 219W
 Gooderham..... W. Sarginson Haliburton 300w4

DEPUTY CHIEF RANGERS

Minden M. J. O'Neill 219W
 Gooderham..... H. N. Bates Haliburton 300w4
 Apsley J. M. Scott..... 656-4361
 Haliburton S. A. Shields 387W

UNIT FORESTERS

Lindsay..... T. E. Dodds 324-6121
 Lindsay..... B. G. Cross 324-6121
 Orono
 Brighton..... R. W. Tippet 475-2204

FARM FORESTER

Lindsay P. H. Rennick 324-6121

NURSERY

Orono W. R. Bunting 983-9147

HATCHERIES

Codrington (Fish)..... G. Groondahl Brighton 475-2512
 Codrington (Pheasant)... E. R. Mound Brighton 475-0692
 Deer Lake (Fish)..... J. M. Hunt Havelock 778-3391

PROVINCIAL PARKS

Emily R. J. White Omemee 799-5170
 Balsam Lake..... W. P. Barber Cobocok 454-3252
 Darlington J. A. Robertson Oshawa 723-4341
 Presqu'ile K. H. Moore..... Brighton 475-2204
 Serpent Mounds..... D. G. Ward..... Keene 295-6879

*Duty Officers.

NORTH BAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Northland Trust Building,
222 McIntyre Street West, North Bay..... 474-5550
(Direct line from Head Office)

District Forester.....*W. L. Sleeman 474-7606

SUPERVISORS

Accounts	J. E. Rogers.....	472-8426
Biologist	M. E. Buss	752-1439
Fish and Wildlife	*A. S. Holder....	752-3477
Forest Protection.....	*J. E. Anderson	474-4644
Lands	W. G. Turnbull	472-1744
Parks	A. D. Tremblay	474-5712
Timber	*D. E. Honeyborne.....	472-0659
Scaling	R. E. Chornopski.....	474-8493

CHIEF RANGERS

North Bay	*H. N. Whalen	474-5645
Temagami	J. E. Rumney	569-2231

DEPUTY CHIEF RANGERS

North Bay, Fire.....	*J. A. Bedard.....	472-6056
North Bay, Timber	T. M. McCormick	472-4487
North Bay, Fish & Wildlife .	W. J. McKeown	474-5162
Champlain	C. H. Laberge... Mattawa	744-2276
Marten River.....	H. J. Edmundson	8R3
Haddo	P. J. McDonald Monetville	898-2441
Temagami, Fire.....	H. G. Smith.....	569-8481
Temagami, Headquarters...	F. E. Cannon	569-3591
Temagami, Lands	R. V. Coulombe	569-6557
Temagami, Fish & Wildlife.....		

PROVINCIAL PARKS

Antoine	Mattawa	744-2251
Finlayson Point.....	G. C. Lockhart	
	..... Temagami	569-6368
Marten River.....	H. J. Edmundson	8R3
Samuel de Champlain.....	C. H. Laberge .. Mattawa	744-2276

FISH HATCHERY

Balsam Creek.....	N. B. Hollingsworth	
	..... Redbridge	663-2688

* Duty Officers

PARRY SOUND FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 4 Miller Street, Parry Sound 746-2141

District Forester..... M. A. Adamson 746-2839

SUPERVISORS

Accounts	G. F. Walter	746-2389
Fish and Wildlife	*C. W. Douglas	746-8622
Sr. Conservation Officer ..	*J. A. Macfie.....	746-8330
Biologist	G. Winterton	746-8897
Forest Protection	*D. Burns.....	746-2672
Lands	T. H. Croswell.....	746-5513
Parks	W. R. Peck	746-8808
Timber	H. Henry.....	746-2141
Scaling	A. J. Tracy.....	746-8309

CHIEF RANGERS

Parry Sound	*J. A. Shalla	746-5541(9815)
Powassan.....	J. L. Hamill	724-2640(2837)
Bracebridge	J. A. Simpson ..	645-4081(687-2519)

DEPUTY CHIEF RANGERS

Parry Sound	J. M. McEwen ..	McKellar 17R22
Powassan.....	E. R. Brooks. Trout Creek	723-5361
Bracebridge.....	J. Mathews.....	645-2238
Ardbeg	R. J. Simms. Parry Sound	746-9881
Dorset	J. S. Booker	746-2212(2253)
Byng Inlet (Britt).....	M. C. Kennedy	383-2361(2361)
Loring	R. F. Kimberley	757-2040(2168)

UNIT FORESTERS

Parry Sound	J. Strickland	746-2657
Powassan	R. O. Brandes	724-2908
Bracebridge (Farm Forestry Technician).....	M. Salt.....	645-4607

PROVINCIAL PARKS

Grundy Lake	F. Irwin	Britt 383-2369
Killbear Point	R. Brookland	Nobel 342-5492
Mikisew	A. White	South River 386-2271
Oastler Lake	G. McRoberts...	Orrville 378-2401
Restoule	J. Graham	Golden Valley 729-5707
Sturgeon Bay	H. Tigert	Pointe au Baril 366-2285
Arrowhead.....	A. Rand.....	Huntsville 789-5105

*Duty Officers.

PEMBROKE FOREST DISTRICT

Area Code: 613 (705)

Telephone

OFFICE: 162 Agnes Street, Pembroke (613) 732-3661
Duty Officers..... 732-3664

District Forester *J.R. Oatway (Acting),.... 732-4042

SUPERVISORS

Accounts	G. N. McGeachy.....	732-3661
Fish and Wildlife	H. E. Deedo.....	732-3661
Biologist	M. L. Wilton.....	732-3661
Forest Protection	*L. Bronson.....	
Lands	J. Orme	732-3661
Parks	J. E. Collard	732-3661
Timber.....	*J. R. Oatway.....	732-4042
Construction		732-3661
Scaling	J. H. Bingley.....	732-2911

CHIEF RANGERS

Pembroke.....	*R. N. Cousineau....	732-3664(4106)
Whitney.....	H. W. Hanes.....	(705) 637-2780
Stonecliffe	F. Mitchell.....	586-2604

DEPUTY CHIEF RANGERS

Pembroke	M. I. Mantifel	732-3664
Pembroke	D. F. Palubiski	732-3664
Whitney	M. L. Doney	(705) 637-2780
Whitney	W. A. Lentz	(705) 637-2780
Whitney	S. E. Cameron	(705) 637-2780
Whitney .....	.....	(705) 637-2780
Stonecliffe	R. C. Bilsborrow	586-2604
Stonecliffe	J. I. Kuiack	586-2604
Achray	A. E. Prange .....	.....
Achray	J. R. Mask .....	.....
Kiosk	W. D. Christie	841
Round Lake	C. R. Buske	Killaloe 632R13

UNIT FORESTERS

Pembroke	C. R. Gray	732-3661
Pembroke	W. Vonk	732-3661
Pembroke	W. W. Wahl	732-3661
Pembroke	D. F. George	732-2261
Pembroke Farm Forester .	L. C. Scales	732-3661

PROVINCIAL PARKS

Algonquin..... T. W. Hueston. (705) 633-5572(5542)
Carson Lake Barry's Bay 131J3
Driftwood..... Stonecliffe 586-2371

FISH HATCHERY

Pembroke..... W. T. Marston, Petawawa 687-5935

*Duty Officers.

PORT ARTHUR FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: 14 North Algoma Street, Port Arthur 345-6543
(Direct Line from Head Office)
District Forester *G. A. Hamilton 344-6793

SUPERVISORS

Accounts.....	J.D. Chadwick	345-6326
Fish and Wildlife	C.A. Elsey	344-0501
Biologist.....	H.R. Timmerman	344-4968
Forest Protection.....	*F.M. Dodds	344-5417
Assistant	*J. Russell	344-0166
Lands		
Parks.....	E. Diamond	344-9011
Timber	J.F. Flowers	345-8354
Scaling	A.G. Strey.....	344-8666

CHIEF RANGERS

Port Arthur	*S.O. Russell	344-8157
Armstrong .....		.....
Shebandowan	G.C. Murray	926-2861

DEPUTY CHIEF RANGERS

Port Arthur	V. Hansen	344-8726
Armstrong,...	A. Van Rooyen	38
Armstrong	R.D. Killer	
Shebandowan	G.J. Frenette	926-2853
Fort William	N.J. Small	344-5116
Upsala	J. Monteith	14
Nipigon	A. Martin	887-2114

NURSERY

Fort William A. Wynia 577-3011

PROVINCIAL PARKS

Inwood	A. Van Eck	577-1402
Kakabeka Falls	G. Whitefield	577-1641
Middle Falls	T. Hill	Pigeon River 24R3
Sibley	E. Murphy	

*Duty Officers.

SAULT STE. MARIE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 875 Queen Street East (Rear),
Aerodrome Building, Sault Ste. Marie 949-1231
(Direct Line from Head Office)
After hours 949-1234
District Forester *J. S. Ball Residence 253-8564

SUPERVISORS

Accounts.....	G. J. Murray.....	254-3847
Fish and Wildlife.....	R. G. Bailey.....	254-4711
Biologist.....	C. H. Olver.....	254-5781
Forest Protection.....	*W. H. Forman.....	949-3572
Fire Duty Officer.....	*K. T. Fuller.....	256-5343
Forest Research.....	A. G. Gordon.....	254-5342
Fisheries Research.....	C. A. Lewis.....	253-3442
Lands.....	J. M. Small.....	253-6933
Parks.....	G. M. Connell	
	..... Bruce Mines	785-3458
Timber.....	*W. C. Stevens.....	253-8397
Scaling.....	M. V. Osborne.....	254-1685

CHIEF RANGERS

Sault Ste. Marie	C. E. Tregonning	253-0491
Blind River	J. A. Huppe	356-7166

DEPUTY CHIEF RANGERS

Sault Ste. Marie	L.G. Bell	254-1774
Sault Ste. Marie	L.J. Pigeon	253-1952
Blind River	J.R. Morin	356-7641
Blind River	H.J. Stoneman	356-7598
Kirkwood	D.W. Hemphill Thessalon	842-3130
Kirkwood	I.E. Seabrook Thessalon	842-5723
Kirkwood	C.W. Stoneman Thessalon	842-5643
Pancake Bay	R.H. Gemmill.... Batchawana	2317
Mount Lake	G.R. Murray Iron Bridge	356-7654
Ranger Lake	A.R. McClelland	254-6355
Elliot Lake	C.J. Osborne	848-2741
Peshu Lake	C.D. Vaughan, Echo Bay.	37R2

KIRKWOOD MANAGEMENT FOREST

Little Rapids, Thessalon R.J. Lynn 842-2610

PROVINCIAL PARKS

Batchawana	R.H. Gemmill, Batchawana	2317
Mississagi	C.J. Osborne Elliot Lake	848-2741
Pancake Bay	R.H. Gemmill, Batchawana	2317

*Duty Officers

Area Code: 807

Telephone

OFFICE: Provincial Building,
 18 Fourth Avenue, Sioux Lookout..... 737-1140
 District Forester..... *R. A. Baxter..... 737-2261
 Assistant..... *J. E. Barnes..... 737-3620

Accounts D. W. Munch..... 737-2892
 Fish & Wildlife C. E. Perrie 737-1562
 Biologist D. A. Hagan 737-3459
 Biologist..... G. L. Penney..... 737-3742
 Forest Protection *E. W. Bouchey 737-3622
 Lands E. Fraehlich 737-2953
 Parks C. R. Biggar
 Timber J. A. Waddell 737-1456
 Management Forester..... E. D. Berry 737-3792
 Management Forester..... J. Pohanka 737-1530
 Management Forester..... L. J. Haas..... 737-2304
 Scaling K. A. Alexander 737-1530

Sioux Lookout G. M. Fenelon..... 737-1140(1730)
 Red Lake D. R. Williams..... 475(22)
 Pickle Lake..... D. O'Grady 3111
 Ignace J. Cleaveley..... 934-2308

Sioux Lookout G. A. Baverstock.... 737-1140(1229)
 Sioux Lookout C. W. Clark 737-1140(3099)
 Sioux Lookout R. J. Landry 737-1140(2146)
 Sioux Lookout S. A. Sprager 737-1140(1779)
 Red Lake A. R. Larson 475(755)
 Red Lake L. T. Anderson 475(352)
 Red Lake L. H. Mahon Cochenour..... 4176
 Pickle Lake..... I. Lawson 3111(3471)
 Ignace..... D. R. Fortner..... 934-2233
 Ear Falls..... W. G. Davenport 140

Pakwash..... R. Williams
 Ojibway G. Fenelon
 Sandbar Lake J. Cleaveley.....

* Duty Officers.

SUDBURY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 174 Douglas Street West, Sudbury..... 673-1111
(Direct line from Head Office)

District Forester..... *G. A. McCormack 675-1624

SUPERVISORS

Accounts	G. A. Jennings	673-1973
Fish and Wildlife	C. F. Bibby	675-7815
Biologist	G. E. Thompson	673-5421
Biologist	G. M. Stassen	673-7319
Forest Protection	*L. G. Ridsdill	675-6660
Fire Control Officer.....	*E. W. Everley	673-5185
Lands	E. N. Arbuckle.....	855-2927
Land Management Officer..	L. S. McCoy.....	674-9352
Parks	L. R. Davey	673-1012
Timber	D. E. McHale	673-1111
Scaling	L. C. Mantle.....	566-0392

CHIEF RANGERS

Sudbury	*W. Wetow	673-7458
Skead		969-2361
Espanola	B. T. Cannon	869-1973
Gogama.....	C. Dionne	15

DEPUTY CHIEF RANGERS

Sudbury	L. Collard	897-5143
Sudbury	G. Van Horn	675-5815
Skead	D. R. Hand.....	969-4019
Skead	U. A. Penttinen.....	969-2400
Skead	A. T. Proulx	969-2503
Espanola	F. W. Noble	869-1569
Espanola	W. Piche.....	869-1675
Massey.....	E. A. Hansson	Spanish 844-2880
Windy Lake	D. H. Kohls	966-2315
Jamot	W. Sarginson	857-2004
Gogama	R. A. Carriere.....	148
Gogama	R. A. Beauchamp	60
Gogama	D. S. Stewart.....	137

PROVINCIAL PARKS

Chutes.....	E. A. Hansson.....	Spanish 844-2880
Fairbank.....		
Killarney		
Windy Lake	D. H. Kohls	966-2315

* Duty Officers

SWASTIKA FOREST DISTRICT

	Area Code: 705	Telephone
OFFICE: Swastika	Swastika	642-3222
District Forester	*S. R. Hamilton Kirkland Lake	567-4659

SUPERVISOR

Accounts.....	W. C. Johnstone	
Fish and Wildlife ....	.....
Biologist.....	J. F. Gardner..... Swastika	642-3489
Forest Protection....	*W. G. Taylor.. Kirkland Lake	567-3569
Lands	J. M. McDougall	
	..... Kirkland Lake	567-4732
Parks	H. Mattson... Kirkland Lake	567-4054
Timber.....	G. Brown.... Kirkland Lake	567-6983
Scaling	F. Thib	Englehart 544-2136

CHIEF RANGERS

Swastika	*L. E. St. Pierre.....	642-3211 (567-4673)
Matheson	N. B. Pigeon	119(1416)
Elk Lake.....	G. O. Koistinen.....	28(100)

DEPUTY CHIEF RANGERS

Swastika Division.....		642-3211
Fire Deputy.....	E. C. Borden.....	642-3420
Timber Deputy.....	M. C. Mitchell	Englehart 544-7619
Service Deputy	W. B. Hill	Englehart 544-7582

Matheson Division		119
Fire Deputy.....	B. A. Milburn.....	
Timber Deputy	R. R. Dennis	367M
Service Deputy	J. G. Cahill	179

Elk Lake Division:

Fire Deputy.....	Elk Lake	28
Timber Deputy	D. W. Butler	Elk Lake 28 (93)
Service Deputy	A. Thib	Gowganda 2341
	Englehart	544-2592
Englehart	L. J. Wickware.....	544-2331
		(544-2452)

NURSERY

Swastika.....	K. H. Reese.....	642-3339
	Kirkland Lake	567-9121

FISH HATCHERY

Hill Lake	P. Graf	Englehart 544-2834
-----------------	---------------	--------------------

PROVINCIAL PARKS

Esiker Lakes	O. Ranta	Swastika 624-3222
	Kirkland Lake	567-6760
Kap-Kig-Iwan	R. L. Hack....	Englehart 544-2050 (7526)

* Duty Officers

TWEED FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Metcalfe Street, Tweed 478-2330

District Forester A.H. Peacock

SUPERVISORS

Accounts.....	J.A. Vance	478-3022
Fish and Wildlife	R.E. Whitfield	478-2513
Biologist	W.F. Cheshire	478-3437
Forest Protection	*B.T. Dunne	478-2906
Lands	L.G. Rowson	478-2527
Parks	*W.H. Cantelon	478-3111
Timber	*C.J. Heeney	478-3211
Private Land Forestry ...	W.M. Fasken	478-3820
Scaling	W.F. Caverley	478-6512
Surveyor	D.E. Norris	478-2736

CHIEF RANGERS

Tweed.....	J.J. Shalla.....	478-2338 (2641)
Dacre.....	G.M. Samells ..	649-2418 (432-2602)
Bancroft.....	O. Goodman	47(989)
Napanee.....	H.P. Endress.....	

DEPUTY CHIEF RANGERS

Tweed.....	D. Mumford	478-2338 (2208)
Dacre	J.J. Windle ...	649-2418 (432-5256)
Bancroft.....	E. Card	47(298)
Bancroft.....	J.I. McKenzie.....	47(526)
White Lake	H.E. Clark	335-2115 (198)
Plevna.....	W. Gorr	479-2268 (5520)
Palmer Rapids	R. Musclow.....	758-2020 (2724)

UNIT FORESTERS

Tweed.....	W.W. Hiscock ..	478-2330 (473-2538)
Dacre	W.H. Collins ..	649-2418 (432-5537)
Bancroft.....	F. Walker	47(404)
Napanee	E. Edson	354-3389 (Bath 91)

FISH HATCHERY

White Lake.....	K.L. Steele	335-2115 (2074)
-----------------	-------------------	-----------------

FISHERIES RESEARCH STATION

		476-2400 (3014)
Glenora.....	W.J. Christie	Picton

PROVINCIAL PARKS

		(198)
Black Lake.....	H.E. Clark Sharbot Lake	335-2814
Bon Echo	G.L. McMurray...	336-2228 (2660)
Lake St. Peter	O. Goodman	47(989)
Outlet Beach	R.J. Davison	393-3314 (2007)
Sandbanks	W. Miller	393-3028 (5341)
North Beach	W. Miller	399-5436 (393-5341)
Lake-on-the-Mountain...	R.J. Davison	393-3314 (2007)
*Duty Officers		

WHITE RIVER FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 200 Winnipeg Street, White River

822-2250

District Forester*W.D. Tieman..... 822-2250 (2306)

SUPERVISORS

Accounts		822-2252
Fish and Wildlife	*E. A. Pozzo	822-2250 (2544)
Biologist	T.G. Harrison	822-2250 (2408)
Forest Protection.....	W. Kitt	822-2250 (2188)
Lands and Parks	J. J. Sargent.....	822-2250 (2218)
Timber	*J. H. Sellers.....	822-2250 (2414)
Scaling	J. E. Hamilton	822-2250 (2157)

CHIEF RANGERS

White River.....	*B. Petman.....	822-2253 (2523)
Wawa	A. J. Bull.....	856-2445 (7324)

DEPUTY CHIEF RANGERS

White River.....	I. Riives	822-2253 (2596)
White River, Timber.....	D. D. Plumley.....	822-2253 (2176)
Manitouwadge	M. P. Barker	826-3225 (2923)
White Lake Park.....	T. J. Leveque.....	1-R-11
Wawa	C. R. Petrosky.....	856-2120 (2460)
Wawa	J. D. Schreiber.....	856-2120 (7132)
Hobon Lake	J. Mills	2216
Red Rock	G. N. Gibson.....	856-2284 (7051)
Agawa Bay.....	F. E. Senecal.....	312 (2307)

UNIT FORESTERS

White River.....	R. G. Klein	822-2253 (2156)
White River.....	J. H. Broderick	822-2250 (2203)
Wawa	B. I. Thompson	856-2120 (4467)

PROVINCIAL PARKS

Lake Superior Park		
-Red Rock Lake H. Q.	E. M. Montgomery..	856-2284 (4278)
-Agawa Bay H. Q.	F. E. Senecal	312 (2307)
White Lake Park	T. J. Leveque.....	1-R-11
Obatanga.....	J. G. Black	

* Duty Officers.

THE ONTARIO FOREST TECHNICAL SCHOOL

Area Code: 705

Telephone

DORSET 766-2242

Director R. W. Hummel 766-2333
B.Sc.F., Dipl. Res. Man.

Accountant J. Palmer
A/Accountant W. Chambers Minden 514r23
Maintenance Supt. E. Hayward 766-2304
Chef M. McCallum 766-2242
Nurse, Housekeeping Supt. Mrs. P. Briscoe, Reg. N. 766-2237

FACULTY

Head, Forestry Section;
Drafting, Silviculture, Certificate
and other courses *J. E. Dickenson 789-2336
B.Sc.F., R.P.F.

Head, Fish and Wildlife
Sect; Fish and Wildlife,
English, Certificate
and other courses J. A. Simpson Gravenhurst 687-2519
B.Sc.F., R.P.F.
V. B. Collins 766-2335
B.A., M.S.A.

Forest Fire Control
Training in Ontario G. D. MacAdam 766-2386

Dendrology, Soils,
Forest Protection E. Goodman 766-2312
R.P.F.

Dendrology, Mathematics,
Road Construction D. L. Lillow 766-2238

Mensuration, Scaling
courses G. J. Pennock.... Dwight 635-2953

Mensuration, Utilization,
Camp Clerking J. D. Ryan 766-2336

Surveying, Drafting W. P. Small 766-2344

First Aid (St. John
Ambulance Course) Mrs. P. Briscoe 766-2237
Reg. N.

Forest Pathology, Business English,
Utilization, University
of Toronto Forest G. Wilson Huntsville 789-5360
(University of Toronto)
B.Sc.F., R.P.F.

*Attending Resource Management Course, University of Toronto.

NEW POLICIES

[illegible]

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research program. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto, and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R. N. Johnston was appointed Chief on January 1, 1944.

A. P. Leslie was appointed Chief on September 15, 1964, when Mr. Johnston retired. Mr. Leslie retired on November 30, 1967.

D. R. Wilson was appointed Acting Chief for the period from December 1, 1967 to August 31, 1968.

Dr. W. R. Henson was appointed Chief on September 1, 1968.

The functions and responsibilities of the Research Branch are to provide the management Branches of the Department with useful information, checked for reliability by experiments and tests, concerning reproduction, rates of growth, population changes, and diseases relating to forestry, fisheries and wildlife resources. Separate sections work in these three major disciplines. The Mechanical Research Unit develops, improves and tests equipment and instruments to meet the special needs of the Branch and the rest of the Department.

The Southern Research Station, established in 1944, serves as a base headquarters for most of the staff of the Research Branch. However, the majority of the work undertaken by the researchers based at the Station is conducted in the field. In addition to the staff at the Station, decentralized units of the Branch are established in various parts of the province. For example, the Silvicultural Research Units have headquarters at Port Arthur, Sault Ste. Marie, Dorset and Tweed, as well as at Maple. Great Lakes Fisheries Units are established at South Baymouth, Sault Ste. Marie, Wheatley and Glenora. Seasonally operated stations are also located in Algonquin Park - for fisheries at Lake Opeongo, for forestry at Swan Lake, and for wildlife near Lake of Two Rivers. There are also fisheries units at Port Arthur.

FISHERIES SECTION

Conducts studies to determine rates of reproduction, growth and mortality of commercial and game fish and the relation of these to environmental conditions.

RESEARCH BRANCH

CHIEF - DR. W. R. HENSON

ADMINISTRATION OFFICER - E. K. E. DREYER

Accounts, Biomathematics and Computer Services, Draughting, Equipment, Library, Mechanical Unit, Photography, Personnel, Public Relations, Reports.

FISHERIES SECTION

Supervisor: K. H. Loftus

Game Fish, Brook Trout, Lake Trout, Walleye, Smallmouth Bass.

Great Lakes: Lake Erie, Lake Huron, Lake Ontario, Lake Superior.

Maple Headquarters Units: Limnology, Parasitology, Productivity, Selective Breeding, Technical Studies.

FORESTRY SECTION

Supervisor: D. H. Burton

Developmental, Ecology, Forest Economics, Forest Protection, Mensuration, Nursery and Plantation, Quality Wood, Seed Research, Site, Tree Breeding, Tree Nutrition.

WILDLIFE SECTION

Supervisor: R. O. Standfield

Big Game, Diseases and Parasites, Furbearers, Predators, Upland Game and Waterfowl.

GREAT LAKES - Research Branch is responsible for general research on Lakes Huron, Erie, Ontario and Superior. A sea lamprey control experiment is being undertaken by Canada Department of Fisheries.

GAME FISH - Research units established for study of lake trout, brook trout, smallmouth bass and walleye.

SELECTIVE BREEDING - to obtain brook trout x lake trout hybrid which can survive in presence of sea lampreys.

MISCELLANEOUS - Lake productivity unit to classify productive capacity on the basis of chemical fertility. Parasites - to identify and assess effects. Limnology unit to study physical and chemical characteristics of Great Lakes and inland waters.

Two examples of recent developments.

KOKANEE. The experimental planting of kokanee, a land-locked variety of sockeye salmon, in the Great Lakes appears headed for success. The Research Branch recommended the introduction of this species in 1964 and chose Lakes Huron and Ontario as experimental planting sites because they appeared suitable in most respects environmentally, and because of the depressed state of their commercial and sport fisheries. Four plantings were planned starting in 1964-65. Assessment of first plantings has shown good growth and survival rates. Large numbers of mature kokanee returned to the planting areas to spawn in 1967 giving good promise for the future. Smoking of some of the kokanee, during the spawning run and after they have changed colour, is a new and important development.

SPLAKE. In 1965 an international agreement was made between Canadian and United States agencies to undertake the rehabilitation of Lake Huron by stocking with highly selected splake hybrids rather than with lake trout. It was planned that the Fisheries Section of the Research Branch would allocate highly selected brood stock to production hatcheries in Ontario and Michigan. The first stock will be ready for planting in 1969. This agreement arose out of the success of a breeding program started by the Research Branch in 1957. By 1965 the first small number of adequately selected splake were produced at the Southern Research Station. Additional numbers are in culture and are coming through the selection procedures.

FORESTRY SECTION

SILVICULTURE - studies of forest culture, growth and reproduction of the important tree species and associated vegetation. Research includes studies of logging effects upon forest stands, cultural herbicides and controlled fires, seeding and planting.

SITE RESEARCH - evaluation of soil features, climate and nutrients to determine best use and rate of productivity.

TREE BREEDING - selection and breeding of forest tree strains of superior quality and resistance to disease.

NURSERY AND PLANTATION RESEARCH - to assist in solution of nursery problems and the planting and care of plantations.

MISCELLANEOUS - wood quality, forest mensuration, forest economics, seed quality.

Two examples of recent developments.

HARD MAPLE AND YELLOW BIRCH MANAGEMENT. In tolerant hardwood management, the preferred systems of partial cutting are based upon improving the growth and quality of the growing stock through processes of stem selection, potential value production and an understanding of the ecological system. Concentration has been on grading rules for the selection of residual trees based on tree vigour classes, stand density and site quality. Trees of all diameters are included within the scheme. Only overmature trees destined for early removal are ungraded.

In 1967, an area of 80 acres was marked using the stem selection grades. Thinning was carried out, and this was coupled with volume measurements of residual trees. At the time of the final cut, growth measurements and lumber volume in different grades will be measured to indicate the acceleration in growth rate with the increase in the amount of clear wood produced as the result of the selection.

SILVER MAPLE AND COTTONWOOD. The Southwestern unit has been concentrating on the rehabilitation of the forest land in southwestern Ontario, much of which is in a derelict condition following improper logging methods in the past and the destruction of the elm by Dutch elm disease.

The Tree Breeding Unit has selected and acquired new cottonwood clones for a study of their variation, and crosses have been made to develop hybrid trees better suited for swamp conditions.

WILDLIFE SECTION

Collects basic information and develops techniques to assist management.

BIG GAME - white-tailed deer, moose, woodland caribou.

PREDATORS - timber wolves.

UPLAND GAME AND WATERFOWL - A survey of Canada geese and other geese was made in the James Bay area during the spring break-up; small game animals, such as pheasants and rabbits, are under continual study.

WILDLIFE DISEASES AND PARASITES - identification, frequency, distribution and effects.

FURBEARERS - habits, behaviour and environment affecting numbers of such animals as beaver and marten. This survey is carried on annually in the northwestern area adjacent to Big Trout Lake and near the mouths of the Winisk and Severn rivers.

Two examples of recent developments.

POLAR BEARS. For the past four years biologists in the Research Branch have been observing polar bears which inhabit the Hudson Bay coast of Ontario during the summer and early autumn when the sea is more or less ice-free. In some years there may be

100 bears along the shore, most concentrated around Cape Henrietta Maria and some nearby islands. Females den in the muskeg, sometimes over 100 miles from the sea, where they have their cubs in midwinter. There is no open season for polar bears in Ontario as little is currently known about their numbers and of the effects that sports hunting would have on them.

MAP OF THE PATRICIAS. The Wildlife Research Section has prepared a detailed cover-type map of the Patricia Districts north of latitude 54°. This is the first map of its kind covering this area and will be useful for many other purposes in addition to wildlife work.

ADMINISTRATION

Provides bio-mathematical services and computer consultation, draughting, equipment procurement and records, library facilities, mechanical developmental research, photographic service and consultation in addition to accounting, budgeting, personnel management, public relations and reporting.

NEW POLICIES

[illegible]

TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J.F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J.A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 21 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes superior tree seed production, seed collection, seed plant, tree nurseries, nursery stock production, Crown land planting, Woodlands Improvement Act agreement planting, Forestry Act agreement planting, and private sales, preparation of management plans for Crown lands and privately owned lands, improvement of forest lands, marketing merchantable timber or trees through a system of licensing and sales, and increasing or maintaining the productive capacity of each management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

J.A. Brodie was appointed Director of the Forestry Study Unit established on September 1, 1964, terminated on July 31, 1967.

M.B. Morison was appointed Chief on September 1, 1964.

A.J. Herridge was appointed Chief on September 1, 1968.

TIMBER BRANCH

Chief: A. J. HERRIDGE

REFORESTATION SECTION

Supervisor: Q. F. Hess

Tree Production and Distribution
Agreement Forest Administration
Private Land Forestry

SILVICULTURE SECTION

Supervisor: J. Barron

Forest Resources Inventory
Silvicultural Operations

TIMBER SECTION

Management Planning
Sale of Timber
Scaling
Marketing and Forest Economics

Special Projects

REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904. Moved to St. Williams in 1908, this nursery transferred to the Department of Lands and Forests in 1912 and became the foundation of the present reforestation programme.

Reforestation Section is responsible for:

- (a) the collection, processing, storing and distribution of sufficient quantities of tree seed to meet the requirements of private land and Crown land planting, seeding, and research projects.
- (b) the production and distribution of nursery stock for private land planting, for approved Crown projects and for special demand such as Department of Highways roadside plantings.
- (c) the improvement of tree seed of important commercial species through the establishment and development of seed orchards and seed production areas.
- (d) the administration of agreements made between the Minister and Corporations such as Conservation Authorities, Counties and Townships for the management of lands acquired by the Corporations for forestry purposes.
- (e) recommending the payment of grants to Corporations to assist them in the acquisition of lands for agreement forest purposes.
- (f) advising and assisting Counties in the preparation of by-laws to be passed under The Trees Act to control the destruction of trees by cutting, burning or other means.
- (g) an extension service to provide information and advice relative to forestry problems on private lands, and financial assistance in the form of free forestry service in reforestation and woodlands improvement for private landowners entering into agreement with the Minister under The Woodlands Improvement Act.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1,480,539
1913-1925	13,096,866
1925-1930	46,642,175
1930-1935	51,996,837
1935-1940	67,900,012
1940-1945	57,617,763
1945-1946	13,175,575
1946-1947	12,269,533
1947-1948	13,049,776
1948-1949	17,700,970
1949-1950	19,027,807
1951-1952	20,749,268
1952-1953	24,241,754
1953-1954	23,448,860
1954-1955	25,519,383
1955-1956	28,351,483
1956-1957	31,081,112
1957-1958	25,854,262
1958-1959	33,414,110
1959-1960	41,682,125
1960-1961	49,833,412
1961-1962	43,194,863
1962-1963	43,767,916
1963-1964	43,922,685
1964-1965	49,484,068
1965-1966	49,019,854
1966-1967	51,712,461
1967-1968	54,805,170
TOTAL:	954,040,639

REFORESTATION ESTABLISHMENTS

As at March 31st, 1968

SEED PLANTS	YEAR ESTABLISHED
Angus	1923
St. Williams	1908

FOREST STATIONS

Chapleau	1956
Dryden	1958
*Fort William	1946
Gogama	1956
*Kemptville	1946
*Midhurst	1922
*Orono	1922
Sault Ste. Marie	1956
*St. Williams	1908
Swastika	1958
White River	1956

*Demonstration forests. All forest stations include tree nurseries

NURSERY STOCK

Furnished in Year Ended March 31st, 1968

Tree Species	For Use on Private Land	For Use of Ontario	Total
White Pine	1,229,915	6,677,249	7,907,164
Red Pine	3,055,500	6,173,511	9,229,011
Jack Pine	219,400	9,856,675	10,076,075
Scotch Pine	1,291,550	69,024	1,360,574
White Spruce	2,316,095	16,098,350	m18,414,445
Black Spruce	86,850	4,425,015	4,511,865
Norway Spruce ...	426,550	53,662	480,212
Red Spruce	725	617,075	617,800
White Cedar	779,395	67,053	846,448
European Larch ...	67,750	1,444	69,194
Tamarack	21,025	13,882	34,907
White Ash	96,905	26,416	123,321
Silver Maple	182,110	29,973	212,083
Red Oak	78,770	1,321	80,091
Carolina Poplar ...	269,312	40,525	309,837
Black Locust	53,675	1,200	54,875
Other Species	43,990	96,023	140,013
TOTAL	10,219,517	44,248,398	e 54,805,170

m-Includes 100,000 furnished for miscellaneous purposes.

e- Includes 237,255 for educational or scientific purposes.

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

COUNTY OR DISTRICT	TEN-YEAR					1968	TOTAL 1958-1968
	1963	1964	1965	1966	1967		
Algoma.....	266,075	229,525	243,475	182,950	168,025	75,050	2,799,050
Brant.....	99,650	93,350	83,450	108,400	182,050	163,050	1,388,006
Bruce.....	94,800	97,025	94,850	110,125	85,925	96,750	1,355,275
Carleton.....	223,750	215,850	216,125	218,575	170,825	134,000	2,101,125
Cochrane.....	60,450	3,500	2,375	7,100	3,000	7,525	225,650
Dufferin.....	430,525	353,125	271,000	281,150	242,950	307,225	5,039,400
Dundas.....	39,600	56,825	22,875	40,000	51,300	26,475	502,575
Durham.....	240,750	394,400	480,600	284,975	368,450	275,500	5,346,700
Elgin.....	135,450	130,750	65,475	81,650	79,450	65,625	1,264,975
Essex.....	38,525	36,225	56,525	52,550	48,625	67,675	535,200
Frontenac.....	128,950	107,575	120,250	130,950	155,500	161,925	1,455,125
Glenarry.....	61,775	26,175	41,625	62,375	58,950	276,350	824,575
Grenville.....	169,000	135,050	141,450	169,850	176,350	187,450	1,662,650
Grey.....	352,675	260,550	466,950	378,750	251,825	417,925	5,244,475
Haldimand.....	58,075	76,375	85,350	59,300	36,225	72,125	765,250
Haliburton.....	114,950	122,925	93,000	85,625	64,000	28,600	1,255,625
Halton.....	153,150	146,900	224,450	161,000	186,600	215,575	2,037,450
Hastings.....	389,750	251,400	313,375	256,725	196,500	161,725	3,383,650
Huron.....	205,950	190,800	190,150	182,225	114,950	93,800	2,214,925
Kenora.....	42,950	48,175	69,625	70,500	98,700	143,325	551,775
Kent.....	33,875	30,550	71,725	65,425	40,425	58,600	710,925
Lambton.....	96,075	78,875	110,550	69,025	74,650	91,975	1,180,875
Lanark.....	146,225	121,625	162,350	190,825	150,925	130,875	1,803,425
Leeds.....	73,400	71,575	65,500	45,175	102,475	60,225	859,500
Lennox & Addington...	107,975	59,125	87,525	57,300	52,925	54,325	1,027,800

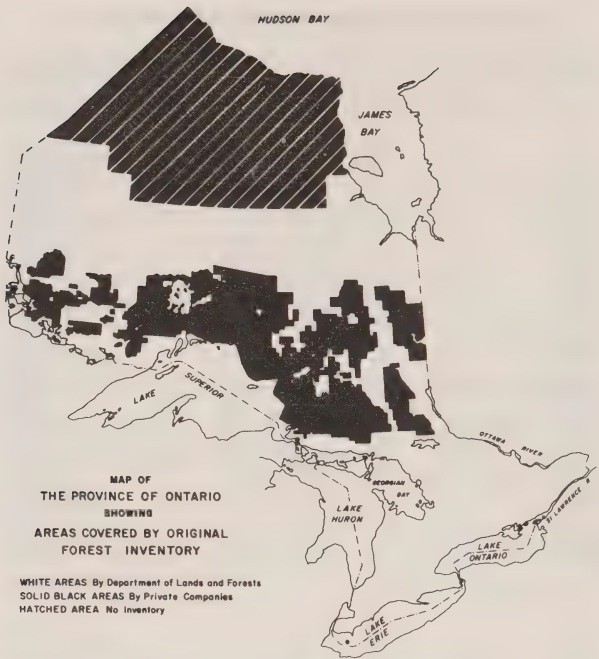
Lincoln.....	79,150	53,050	31,900	52,650	35,700	70,050	543,300
Manitoulin.....	68,600	29,600	21,625	27,775	3,175	156,850	731,925
Middlesex.....	494,425	287,625	265,275	240,575	258,450	234,650	2,784,850
Muskoka.....	271,775	199,850	201,825	151,600	191,550	268,800	3,129,400
Nipissing.....	90,975	59,725	84,550	32,275	111,825	122,425	1,213,775
Norfolk.....	289,150	273,050	249,325	230,625	211,300	262,500	2,884,675
Northumberland.....	354,675	131,900	96,425	148,700	149,725	119,225	2,237,325
Ontario.....	468,675	459,625	342,325	348,075	548,550	335,100	5,248,125
Oxford.....	146,750	101,125	96,900	203,075	102,575	360,125	1,848,800
Parry Sound.....	339,300	280,225	235,850	262,325	128,300	192,525	4,241,450
Peel.....	602,925	503,725	376,850	576,175	616,075	385,875	5,150,025
Perth.....	46,625	64,000	40,750	77,850	276,625	48,325	1,208,975
Peterborough.....	128,675	120,700	142,175	112,650	138,750	356,225	1,879,340
Prescott.....	221,025	170,425	63,300	79,225	143,050	90,775	2,104,125
Prince Edward.....	37,325	24,075	14,525	49,150	38,150	19,475	309,750
Rainy River.....	146,000	92,800	71,350	63,175	79,100	130,187	1,244,112
Renfrew.....	458,150	391,550	288,550	252,575	289,525	821,750	4,267,850
Russell.....	78,700	5,200	108,250	139,075	102,950	153,825	1,089,900
Simcoe.....	821,350	616,525	700,325	1,326,350	1,546,500	881,685	12,111,205
Stormont.....	51,375	91,600	56,575	75,500	20,950	46,000	554,975
Sudbury.....	121,875	134,775	190,325	167,200	185,250	145,675	1,654,150
Thunder Bay.....	315,975	188,750	184,550	682,230	654,475	185,175	3,674,280
Timiskaming.....	28,075	14,600	19,175	23,900	15,200	11,400	219,675
Victoria.....	138,450	135,600	112,400	72,275	60,700	37,850	1,221,674
Waterloo.....	181,650	201,200	150,625	218,675	199,625	200,250	2,223,775
Welland.....	227,275	205,975	259,500	184,225	224,725	191,400	2,004,800
Wellington.....	299,850	197,650	442,800	389,800	525,900	193,175	3,880,750
Wentworth.....	257,825	205,350	216,675	248,950	315,100	310,495	2,924,495
York.....	799,000	592,675	613,450	538,700	786,575	514,050	7,207,880
TOTAL.....	11,505,775	9,597,300	9,016,400	10,791,980	11,312,900	10,219,517	125,013,336

FOREST AREAS MANAGED BY THE MINISTER as of March 31, 1968

23 CONSERVATION AUTHORITIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1967-68	Total
Ausable River	Dec. 13, 1951	50.00	4,299.00
Big Creek Region	Dec. 2, 1954	205.00	3,699.90
Catfish Creek	Dec. 19, 1962	.....	501.00
Central Lake Ontario	Sept. 24, 1963	.....	195.00
Crowe Valley	Aug. 21, 1963	.....	200.00
Ganaraska Region	Jan. 31, 1947	300.00	8,448.60
Grand River	Mar. 18, 1952	100.00	5,866.37
Lakehead Region	May 15, 1958	.....	1,256.70
Lower Thames Valley	Aug. 12, 1964	.....	300.00
Maitland Valley	Apr. 1, 1955	.....	949.00
Metropolitan Toronto and Region ...	Apr. 11, 1951	.....	1,928.00
Moira River	Nov. 28, 1951	382.00	15,952.00
Napanee Valley	Oct. 28, 1954	521.00	6,666.00
Niagara Peninsula	June 6, 1963	.....	186.00
North Grey Region	June 25, 1958	100.00	7,155.00
Otonabee Region	May 15, 1963	100.00	1,445.00
Otter Creek	Apr. 26, 1957	35.00	1,532.00
Sauble Valley	Sept. 29, 1959	248.00	3,006.00
Saugeen Valley	Dec. 15, 1952	536.00	13,008.00
South Nation River	Mar. 28, 1960	90.00	1,188.50
Hamilton Region	Oct. 19, 1962	.....	12.50
Sydenham Valley	July 13, 1965	.....	150.00
Upper Thames River	Apr. 11, 1951	80.00	3,444.36
Sub-Totals		1,841.00	81,388.93
11 TOWNSHIPS			
Bonfield	Apr. 1, 1952	.....	60.00
Charlottenburgh	Apr. 1, 1955	.....	175.00
Cramahe	Jan. 14, 1964	.....	162.00
Cumberland	May 29, 1952	.....	808.44
Darlington	Aug. 19, 1964	.....	140.00
Galway & Cavendish	Nov. 1, 1952	.....	619.00
Machar	Dec. 30, 1963	.....	90.00
Marlborough	Nov. 21, 1953	.....	200.00
Mosa	July 16, 1964	.....	144.00
Torbolton	Mar. 28, 1953	.....	430.80
Williamsburgh	Oct. 19, 1962	.....	400.00
Sub-Totals .....		.....	3,229.24

FOREST AREAS MANAGED BY THE MINISTER (Continued)

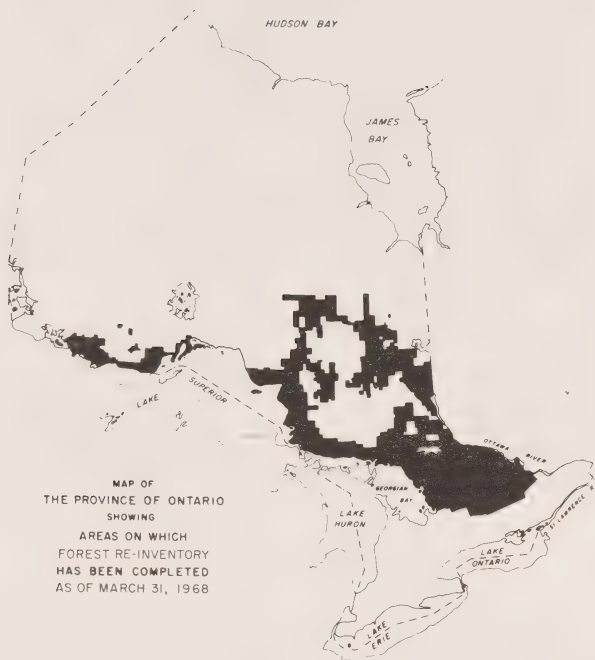
24 COUNTIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1967-68	Total
Brant.....	Nov. 15, 1952	.....	50.00
Bruce.....	Jan. 20, 1950	.....	15,533.35
Carleton.....	July 30, 1964	.....	680.00
Dufferin.....	Nov. 26, 1930	100.00	2,405.00
Grey.....	Dec. 21, 1937	.....	8,378.08
Halton.....	Mar. 14, 1950	.....	1,498.63
Huron.....	Nov. 27, 1950	.....	1,439.00
Kent.....	Dec. 23, 1953	.....	75.39
Lanark.....	July 5, 1940	.....	3,635.00
Leeds & Grenville.....	Apr. 24, 1940	571.50	8,872.00
Lennox & Addington.....	Apr. 3, 1952	.....	1,186.00
Middlesex.....	Mar. 8, 1954	.....	1,335.50
Northumberland & Durham.....	June 10, 1924	.....	5,719.00
Ontario.....	July 9, 1930	500.00	3,821.00
Oxford.....	Sept. 1, 1950	.....	716.56
Prescott & Russell.....	Mar. 15, 1937	633.03	24,525.06
Renfrew.....	Dec. 26, 1951	2,649.00	11,107.00
Simcoe.....	June 19, 1925	400.00	20,693.74
Stormont, Dundas & Glengarry.....	Sept. 20, 1949	.....	2,048.45
Victoria.....	Aug. 10, 1928	.....	8,319.00
Waterloo.....	Apr. 17, 1950	.....	710.48
Wellington.....	June 18, 1964	.....	1,100.00
Wentworth.....	Nov. 27, 1952	100.00	989.30
York.....	Mar. 27, 1924	107.38	4,238.08
Sub-Totals.....		5,060.91	129,075.62
GOVERNMENT OF CANADA			
National Capital Commission.....	Aug. 16, 1961	.....	3,632.00
TOTALS.....		6,901.91	217,325.79



SILVICULTURE SECTION

The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.



A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.

The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By December 31, 1968, approximately 201,568 square miles had been rephotographed, and detailed forest stand data had been obtained on 84,940 square miles.



The program of tree planting, seeding and stand improvement is to maintain the productivity of Crown Lands. Thus a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. In order to expand this program the Department and forest industry companies have signed Regeneration Agreements whereby the use of Company labour, camp facilities and equipment can be utilized in this work. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.



TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

CONSERVATION AUTHORITY	1963	1964	1965	1966	1967	1968	TEN-YEAR TOTAL	
							1958-68	
Ausable River.....	442,500	135,500	399,000	204,650	168,925	143,900	2,556,485	
Big Creek Region.....	115,300	29,125	32,500	2,788	11,000	.....	297,213	
Cafish Creek.....	32,500	46,000	36,000	.....	.....	9,200	123,700	
Central Lake Ontario..	69,000	14,000	.....	.....	.....	.....	83,000	
Crowe Valley.....	.....	.....	24,750	.....	.....	.....	24,750	
Ganaraska Region.....	343,000	127,500	128,000	96,000	28,000	39,775	2,069,475	
Grand River.....	250,300	101,600	63,900	145,500	60,300	72,000	2,400,850	
Lakehead Region.....	40,000	.....	.....	.....	.....	40,000	233,000	
Maitland Valley.....	8,400	.....	127,900	48,200	13,000	22,550	367,350	
Metro Toronto & Region	67,000	51,100	19,300	18,000	22,200	46,700	624,050	
Moira River.....	217,000	307,000	226,650	184,000	60,000	61,250	1,769,300	
Napanee Valley.....	30,000	.....	21,000	.....	.....	24,000	75,000	
Niagara Peninsula.....	.....	.....	20,000	.....	.....	.....	20,000	
North Grey Region.....	172,170	95,325	87,250	51,326	57,525	11,900	1,028,996	
Otonabee Region.....	.....	.....	.....	15,000	30,000	.....	45,000	
Otter Creek.....	1,000	.....	.....	55,076	28,000	.....	106,276	
Sauble Valley.....	.....	.....	.....	144,975	36,900	174,700	473,675	
Saugeen Valley.....	115,850	185,050	170,975	79,202	70,250	89,000	1,859,327	
South Nation River....	21,000	16,000	52,000	51,200	421,225	234,325	920,750	
Sydenham Valley.....	.....	.....	.....	30,000	.....	.....	30,000	
Upper Thames River....	40,000	36,500	.....	1,152	72,450	350	390,602	
Lower Thames Valley...	.....	.....	.....	.....	7,025	.....	7,025	
SUB-TOTAL.....	1,965,020	1,156,250	1,412,025	1,127,069	1,086,900	969,650	15,505,824	
TOWNSHIP								
Charlottenburgh.....	.....	.....	.....	750	.....	.....	25,750	
Cramahe.....	.....	.....	10,000	33,000	4,500	.....	47,500	
Cumberland.....	.....	.....	2,375	.....	.....	.....	27,375	
Darlington.....	.....	.....	.....	10,000	.....	.....	10,000	
Mosa.....	.....	.....	.....	.....	5,000	.....	5,000	
Galway, Cavendish....	.....	.....	43,500	18,000	.....	.....	92,300	
Machar.....	.....	.....	45,000	.....	.....	.....	45,000	
Mariborough.....	90,550	10,000	.....	20,000	.....	.....	227,925	
Torbolton.....	62,000	.....	20,000	.....	.....	.....	225,000	
Williamsburgh.....	.....	100,000	20,000	.....	.....	.....	120,000	
SUB-TOTAL.....	152,550	110,000	140,875	81,750	9,500	.....	886,950	

National Capital Commission.....		721,080	658,950	541,850	328,400	219,550	392,700	3,012,530
COUNTY								
Brant.....	500	.....	.....	.....	.....	.....	.....	500
Bruce.....	19,500	.....	35,000	54,900	30,204	67,000	61,000	735,004
Carleton.....	.....	.....	.....	110,000	29,000	.....	84,000	223,000
Dufferin.....	12,600	.....	8,000	3,000	2,226	3,000	13,300	91,626
Grey.....	69,480	.....	45,300	29,950	36,800	99,450	48,400	1,182,679
Halton.....	21,650	.....	1,800	61,000	6,000	35,100	.....	222,050
Huron.....	31,100	.....	98,500	25,095	300	5,800	28,475	608,580
Kent.....	.....	.....	.....	4,000	.....	.....	.....	4,000
Lanark.....	118,750	.....	78,000	269,000	77,225	78,000	101,900	928,225
Leeds & Grenville....	152,000	.....	185,000	265,200	177,800	537,700	689,250	3,012,550
Lennox & Addington...	114,000	.....	.....	3,600	.....	.....	.....	150,900
Middlesex.....	30,500	.....	8,000	22,500	8,500	7,825	5,700	178,875
Northumberland	.....	.....	.....	.....	.....	.....	.....	.....
and Durham.....	172,000	.....	147,500	110,000	19,000	18,000	35,000	956,000
Ontario.....	3,500	.....	8,000	4,800	39,000	3,050	.....	307,750
Oxford.....	10,000	.....	.....	11,000	.....	29,250	2,000	130,150
Prescott & Russell...	315,800	.....	405,365	240,125	224,500	228,450	204,875	5,809,345
Renfrew.....	283,000	.....	340,000	420,000	419,450	338,400	348,000	2,660,850
Simcoe.....	349,400	.....	540,200	398,425	214,100	241,675	251,000	3,799,400
Stormont, Dundas and Glengarry.....	78,000	.....	93,650	150,300	104,750	14,000	.....	818,200
Victoria.....	185,000	.....	64,750	44,500	44,000	.....	.....	1,103,447
Waterloo.....	11,500	.....	4,500	.....	5,000	26,200	22,000	204,450
Wellington.....	.....	.....	.....	29,950	.....	5,000	.....	34,950
Wentworth.....	12,000	.....	2,500	.....	1,000	6,500	25,000	328,800
York.....	38,500	.....	6,800	29,400	35,500	5,000	.....	358,950
SUB-TOTAL.....		2,028,780	2,072,865	2,286,565	1,474,355	1,799,400	1,919,900	23,871,404
TOTAL.....		4,867,430	3,998,065	4,381,315	3,011,574	3,115,350	3,282,250	43,276,708

TREES PLANTED ON CROWN LANDS in years ending March 31st

TEN-YEAR
TOTAL
1958-1968

DISTRICT	1963	1964	1965	1966	1967	1968	TOTAL 1958-1968
Aylmer.....	145,362	208,345	178,490	409,915	354,300	184,600	2,770,494
Chapleau.....	3,538,120	3,401,050	4,541,825	3,552,475	3,621,800	3,559,700	34,052,924
Cochrane.....	1,786,000	1,830,000	2,107,400	2,232,000	2,456,875	2,534,831	19,301,964
Fort Frances....	1,204,100	1,201,300	1,511,400	779,400	1,087,350	1,144,500	10,201,450
Geraldton.....	1,851,785	3,024,070	2,656,110	2,031,775	4,737,125	4,743,800	24,104,460
Gogama.....	4,210,925	3,818,975	3,938,300	4,135,125	3,696,225	3,181,577	34,235,302
Hespeler.....	51,000	18,500	41,540	47,800	16,760	13,750	325,010
Kapuskasing.....	1,216,275	1,443,500	2,047,000	2,708,375	4,674,117	4,498,561	21,693,787
Kemptville.....	73,295	58,040	87,795	37,075	252,450	369,663	1,334,465
Kenora.....	369,900	1,080,600	463,600	849,050	1,298,100	948,585	7,088,813
Lindsay.....	489,700	542,090	846,359	603,500	899,100	790,000	7,510,690
Maple.....	263,293	168,067	61,475	45,320	40,325	.....	2,847,887
North Bay.....	643,000	849,000	957,800	1,644,000	1,614,000	1,601,730	10,411,243
Parry Sound.....	545,165	364,948	639,380	458,200	754,731	892,850	7,895,699
Pembroke.....	1,207,022	1,374,600	1,628,595	937,255	1,097,000	1,569,775	12,577,106
Port Arthur.....	1,491,800	2,015,000	1,603,000	1,337,600	2,246,500	2,021,800	17,165,478
Sault Ste. Marie	3,828,956	3,402,885	3,922,200	2,827,895	3,150,750	3,051,625	32,762,803
Sioux Lookout...	141,200	250,400	590,100	695,500	738,300	1,776,905	5,199,901
Sudbury.....	1,890,525	1,759,337	2,528,720	1,931,700	2,611,780	3,343,536	20,762,580
Swastika.....	2,246,795	1,633,068	1,950,057	2,146,825	3,371,850	3,834,550	22,374,327
Tweed.....	912,000	1,356,050	1,034,000	693,850	1,138,612	1,172,800	10,958,499
White River.....	905,500	954,350	384,000	327,475	304,000	546,000	7,490,125
Miscellaneous...	79,303	.....	2,643,760	2,555,154	.....	.....	5,581,822
TOTAL.....	29,091,021	30,754,175	36,362,906	32,987,264	40,162,050	41,781,138	318,646,829

Trees Planted
By Department 33,958,451 34,752,240 40,744,221 35,998,838 43,277,400 45,063,388 361,923,537

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

Operations	1961	1962	1963	1964	1965	1966	1967	1968
Scarification and other site preparation.....	4,247	1,035	2,307	3,802	3,793	4,127	16,997	16,956
Scarification with cone scattering or seeding...	.....	2,263	1,211	3,203	5,529	9,414	35,157	44,423
Cleaning and clearing...	5,208	12,053	6,768	9,581	7,545	6,290	4,481	3,291
Brush Control.....	39	3,906	2,595	6,165	8,728	18,494	12,620	23,053
Prescribed Burning.....	.....	.....	66	97	1,560	7,500	.....	.....
Thinning.....	1,158	583	2,286	1,973	743	...	.....	.....
Pruning.....	4,080	4,870	3,111	3,088	3,549	634	1,907	441
Xmas Tree Culture.....	706	509	Discontinued	...	...	...	.....	.....
Improvement Cutting.....	2,525	2,810	1,496	352	1,074	767**	888	1,650
Girdling, Frilling and Poisoning.....	2,912	2,754	3,182	6,655	4,974	4,878	1,365	1,854
Tree Marking.....	3,328	.....	7,465	31	19,047	16,222	6,628	8,079
Harvest Cutting.....	425	1,498	1,824	923	1,047	1,340	1,483	9,200
Deer Habitat Improvement	.....	.....	.....	664	2,463	9,173	21,132	.....
TOTAL.....	24,628	32,281	32,311	36,534	60,052	78,839	102,658	108,947

** Includes thinning

NEW POLICIES

TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Three types of licences are issued:

- (1) "District Cutting Licences" - small, short-term sales which are administered entirely within a particular district.
- (2) "Licences to cut Crown timber" - this is the most common type of tendered sale; it runs for an average of three years.
- (3) "Licences to cut Crown timber approved by Order-in-Council" - these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

In recent years, some large companies have been guaranteed long-term timber supplies from specific areas by "Volume Agreements". Under this form of tenure, it is the responsibility of the Department to prepare the Forest Management Plan and to select the areas for cutting.

It is the responsibility of the Management Planning Unit to supervise the preparation of plans which will ensure the organization and orderly utilization of Ontario's Crown forests, on a sustained basis. Plans prepared by large companies for the management of their licence holdings, are submitted to this unit for checking and, when satisfied, are recommended for approval. Plans are also prepared by Department staff under the supervision of the management planning unit, for the Crown Management Units for all of the Crown forest areas not covered by company management plans. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in 10 and 20 year periods, a licensee can be shown an assured future wood supply.

The Marketing and Forest Economics Unit carries out detailed economic studies pertaining to forestry and is primarily responsible for assisting in the development of new and expanded forest industry in Ontario. Reports are prepared describing forest industry opportunities in specific localities in the province, in co-operation with other provincial departments and the Federal Government, to provide information for prospective investors in forest products manufacturing.

The Wood Measurement Unit is responsible for supervising and co-ordinating scaling practices on all sales of Crown timber. Recent changes in logging practices and the need to reduce costs have required considerable change in scaling methods, including sampling methods, weighing, and use of computers for volume and value calculations.

TIMBER CUT IN FOREST DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1967

DISTRICTS	Permits Issued	Ontario Scale	Saw- Logs	Tree- Length	*Boom Timber	Pulp- Wood	Fuel- Wood	Misc.	Total Volume	Dues	Bonus	Value
Chapleau.....	43	487	8,696	1,897	32	13,378	18	...	24,508	\$ 615	\$48	\$ 663
Cochrane.....	256	82	3,119	2,617	30	28,912	65	2,314	37,139	1,062	146	1,209
Fort Frances....	192	41	250	4,393	28	10,743	25	93	15,573	381	86	467
Geraldton.....	84	.....	1,964	763	55	54,349	50	1,672	58,853	1,632	144	1,776
Gogama.....	23	1,039	1,754	1,308	131	3,514	8	23	7,777	219	37	257
Kapuskasing.....	348	.....	10,125	7,348	15	28,823	66	239	46,616	1,445	327	1,772
Kemptville.....	10	164	.....	.....	..	32	1	2	199	4	5	9
Kenora.....	213	.....	639	.....	133	34,866	28	19	35,685	1,012	144	1,156
Lake Simcoe.....	7	15	.....	.....	..	.....	3	.....	18	.....	1	1
Lindsay.....	52	1,189	.....	.....	5	10	14	.....	1,218	29	31	60
North Bay.....	235	12,189	.....	.....	125	5,697	58	.....	18,069	405	411	815
Parry Sound.....	189	4,057	5	.....	35	139	67	156	4,459	111	197	308
Pembroke.....	160	13,384	14	.....	787	2,110	18	297	16,610	376	429	805
Port Arthur.....	192	142	2,308	18,430	228	39,260	27	908	61,303	1,771	218	1,990
Sault Ste. Marie	123	13,584	32	.....	18	817	228	1	14,680	381	338	719
Sioux Lookout...	111	605	340	2,960	186	36,876	193	.....	41,160	1,169	99	1,268
Sudbury.....	173	220	3,181	.....	56	7,273	48	5	10,783	259	70	329
Swastika.....	208	36	7,543	.....	99	5,438	87	24	13,227	324	115	439
Tweed.....	174	3,356	1	.....	6	1,701	8	18	5,090	90	108	198
White River.....	12	.....	2,977	.....	..	7,507	16	3	10,503	298	41	339

CHRISTMAS TREES: Fort Frances, 115,072; Geraldton, 650; Kenora, 200; Total, 116,422.

*Includes Piling, Poles, Dimension Timber.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	Ontario Scale	Sawlogs	Tree Length	*Boom Timber	Pulpwood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Stumpage Value
1954	.....	46,025	12,119	.....	851	225,659	3,647	26,840	315,141	27	\$8,581	\$2,175	\$10,756
1955	.....	61,493	12,029	.....	2,378	245,988	4,804	8,114	334,806	43	9,135	2,523	11,658
1956	5,403	77,087	33,326	.....	2,259	262,146	4,214	826	379,888	64	9,619	2,573	12,191
1957	5,192	73,986	22,967	.....	2,781	289,985	4,517	858	395,054	45	10,740	2,774	13,514
1958	5,051	55,938	27,762	.....	2,796	245,161	3,891	1,290	336,838	16	8,987	2,578	11,565
1959	5,421	51,470	28,687	.....	2,644	207,003	3,968	1,836	295,608	23	7,950	2,346	10,297
1960	5,096	64,571	28,795	.....	3,499	246,493	2,744	2,038	348,140	6	9,493	2,789	12,282
1961	5,114	55,521	52,303	.....	2,720	232,744	2,678	1,146	347,112	2	9,509	2,674	12,182
1962	4,534	56,558	30,001	.....	1,474	233,782	2,091	1,695	325,601	1	8,775	2,522	11,297
1963	4,664	63,678	38,321	.....	1,267	237,423	1,965	3,195	345,850	1	9,302	2,790	12,091
1964	4,392	65,647	56,368	.....	1,524	231,301	1,614	3,611	360,065	2	9,658	2,848	12,506
1965	3,095	68,469	59,000	.....	2,467	240,209	1,601	4,463	376,209	20	10,264	3,191	13,455
1966	3,330	60,282	55,106	11,494	2,407	250,429	1,143	4,980	385,841	39	10,485	2,961	13,446
1967	2,805	50,592	42,949	39,716	1,966	281,445	1,028	5,773	423,469	116	11,585	2,997	14,582

*Includes piling, poles, dimension timber.

† Number of trees in 000's.

(d) Includes Doyle Scale.

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
SOFTWOODS										
Balsam.....	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	14,093	14,374
Cedar.....	139	180	126	127	96	234	197	97	738	459
Hemlock.....	5,731	5,272	6,299	5,753	6,679	8,933	5,808	4,368	3,872	5,321
Jack Pine.....	78,964	85,545	81,862	58,175	85,604	108,859	81,644	75,488	81,779	86,664
R and W Pine..	25,614	26,315	30,459	25,586	30,605	34,334	34,562	27,612	30,528	33,679
Spruce.....	188,645	208,678	174,652	134,310	207,318	251,831	155,873	163,447	175,666	205,320
Tamarack.....	4	7	16	10	7	10	12	16	25	102
Fuelwood.....	1,185	1,951	1,546	719	673	4,677	3,396	2,354	3,001	2,401
Others.....	.....	.....	.....	.....	.....	.....	.....	.....	22	32
HARDWOODS										
Birch.....	4,092	4,764	5,541	6,303	6,679	7,892	8,623	8,589	7,506	7,437
Maple.....	1,797	2,053	2,499	1,976	2,361	3,592	3,043	2,207	2,265	4,441
Poplar.....	14,190	11,576	13,653	6,036	12,478	22,049	14,272	15,756	12,955	16,921
Fuelwood.....	1,020	1,652	1,054	1,166	568	1,530	1,577	1,293	1,802	1,813
Others.....	580	1,755	1,061	1,148	1,145	1,335	968	691	552	925
TOTALS										
Softwoods.....	311,845	342,951	308,761	234,098	343,530	424,936	293,352	286,605	309,724	348,352
Hardwoods.....	21,679	21,780	23,807	16,628	23,231	36,398	28,483	28,536	25,081	31,536
All Species..	333,524	364,751	332,568	250,727	366,761	461,334	321,835	315,141	334,806	379,888
Total Value..	.....	.....	.....	.....	.....	.....	10,428	10,756	11,473	12,039
(\$000's export levy not included)										

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
SOFTWOODS										
Balsam.....	13,766	12,213	10,988	13,051	4,766	12,316	11,174	10,219	11,454	10,044
Cedar.....	284	711	280	268	331	341	105	182	177	170
Hemlock.....	5,050	2,567	3,046	3,768	2,780	2,429	1,841	3,032	3,128	2,694
Jack Pine.....	99,997	78,225	68,415	78,243	76,857	70,903	78,485	82,239	89,613	99,390
Red Pine.....	6,150	4,989	3,581	6,188	5,037	5,291	6,029	6,446	7,297	6,767
Scotch Pine.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....
White Pine....	26,171	20,249	18,025	22,300	19,150	17,606	21,930	24,409	24,769	24,702
Spruce.....	207,392	180,006	157,544	186,920	191,047	178,063	182,327	183,756	195,017	197,935
Tamarack.....	56	64	25	26	75	36	39	28	98	73
Xmas Trees....	22	8	11	3	1	1	1	1	10	20
Fuelwood.....	2,536	2,359	2,338	1,525	1,476	905	827	452	435	399
HARDWOODS										
Ash.....	46	72	63	83	109	65	100	95	104	143
Basswood.....	295	274	319	365	469	359	434	575	480	465
Beech.....	160	136	131	273	385	175	278	483	359	480
White Birch...	1,314	1,458	1,339	1,426	1,784	1,754	2,295	3,732	3,332	3,203
Yellow Birch..	6,312	7,173	6,165	7,397	6,972	6,925	8,822	8,963	8,983	8,284
Butternut.....	½	½	½	1	2	2	2	2	1	1
Cherry.....	18	12	15	27	26	20	18	22	30	25
Elm.....	160	192	196	256	261	274	286	267	278	384
Maple.....	3,989	4,261	3,639	4,851	5,787	5,212	6,537	7,649	8,459	8,323
Oak.....	109	133	127	177	239	207	276	355	348	387
Poplar.....	19,244	20,205	17,729	19,773	18,356	21,256	22,907	25,995	20,654	21,205
Fuelwood.....	1,982	1,532	1,630	1,219	1,202	1,186	1,137	1,162	1,166	744
TOTALS										
Softwoods.....	361,424	301,390	264,253	312,292	311,519	287,894	302,758	310,765	332,014	342,196
Hardwoods.....	33,630	35,448	31,355	35,593	35,593	37,707	43,092	49,300	44,195	43,645
All Species...	395,054	336,838	295,608	348,140	347,112	325,601	345,850	360,065	376,209	385,841
Total Value...	13,363	11,412	10,155	11,824	12,048	11,229	12,057	12,473	13,417	13,416

(\$000's, export levy not included)

VOLUME OF WOOD CUT BY SPECIES 000's cubic feet in years ending March 31st

SPECIES	1967
SOFTWOODS	
Balsam	11,366
Cedar	205
Hemlock	2,759
Jack Pine	111,791
Red Pine	6,962
Scotch Pine ..	.....
White Pine ..	22,073
Spruce	223,502
Tamarack	86
Xmas Trees	6
Fuelwood	443
HARDWOODS	
Ash	85
Basswood	360
Beech	432
White Birch ..	2,964
Yellow Birch ..	7,400
Butternut	1
Cherry	25
Elm	247
Maple	9,041
Oak	321
Poplar	21,260
Fuelwood	585
Pulpwood	1,555
TOTALS	
Softwoods	379,193
Hardwoods	44,276
All Species	423,469
Total Value*	14,528

(* \$ 000's, export levy not included)

TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 5	Total Area Licensed
1956	748	6,140.05	88,273.71	170.26	94,585.02
1957	604	5,600.65	89,952.49	200.94	95,754.08
1958	586	5,354.80	98,149.46	181.33	103,685.59
1959	569	4,520.62	99,612.16	199.90	104,332.68
1960	573	4,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102,888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581	3,102.08	97,830.82	152.36	101,085.26
1964	562	2,556.89	99,679.49	18.20	102,254.58
1965	590	2,564.98	103,347.49	4.90	105,917.37
1966	533	2,466.68	100,362.79	1.20	102,830.67
1967	535	2,006.5	104,269.9	.....	106,276.4
1968	498	1,704.2	104,134.6	74.0	105,912.8

MILLS LICENSED as of March 31st

Year	Saw Mills (Daily Capacity in 000's fbm)				Ven- eer	Spec- ialty	Total
	to 10	10-50	50 up	Pulp			
1955	1,120	159	58	29	..	..	1,366
1956	1,115	162	59	29	..	..	1,365
1957	1,120	160	57	29	..	..	1,366
1958	1,124	158	57	29	..	..	1,368
1959	1,120	135	54	29	..	..	1,338
1960	646	129	23	24	..	..	822
1961	668	121	27	24	..	..	840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26	28	97	1,030
1966	671	117	30	27	30	89	964
1967	655	113	25	26	28	97	944
1968	644	100	28	25	29	96	922

MANAGEMENT UNITS as of March 31st

Year	Crown	CROWN LAND Company	Total	AGREEMENT FOREST
1954	87	36	123	..
1955	81	36	117	..
1956	82	39	121	..
1957	80	41	121	..
1958	81	43	124	..
1959	77	48	125	..
1960	72	101	173	42
1961	76	79	155	42
1962	78	79	157	42
1963	79	77	156	42
1964	81	75	156	46
1965	81	71	152	59
1966	78	67	145	60
1967	78	66	144	60
1968	77	66	143	60

AREAS OF MANAGEMENT UNITS in Square Miles

1957	129,551	78,837	208,388	...
1958	125,397	85,034	210,431	...
1959	.....	.....	.....	...
1960	83,295	100,408	183,703	224
1961	83,900	96,983	180,883	230
1962	84,108	99,987	184,095	234
1963	85,216	97,342	182,558	244
1964	.....	.....	.....	245
1965	88,214.7	100,476.4	188,691.1	280.1
1966	89,122.1	97,726.0	186,848.1	315.2
1967	90,665.0	99,342.9	190,007.9	328.8
1968	91,987.0	99,351.0	191,338.0	339.6

PRIMARY GROWING STOCK in 000's Cubic Feet

Cubic-foot volumes of primary growing stock on productive forest land in Ontario by species and in two size classes.

Species	4"-9" d. b. h.	10" up d. b. h.	Total
White pine.....	759,884	3,136,869	3,896,753
Red pine	262,259	859,182	1,121,441
Jack pine	13,637,962	6,486,599	20,124,561
Pitch pine	90	132	222
White spruce.....	2,844,250	5,054,764	7,899,014
Black spruce.....	38,609,370	5,656,094	44,265,464
Balsam fir.....	7,548,699	1,875,756	9,424,455
Hemlock	349,745	1,059,874	1,409,619
White cedar.....	1,413,148	1,605,967	3,019,115
Red cedar.....	1,638	545	2,183
Larch.....	177,764	25,025	202,789
Total Conifers	65,604,809	25,760,807	91,365,616
Sugar maple	1,917,892	4,488,726	6,406,618
Soft maple.....	460,542	405,293	865,835
Yellow birch.....	503,134	3,682,764	4,185,898
Beech.....	183,503	446,277	629,780
Elm	346,282	723,814	1,070,096
Ironwood	172,359	22,294	194,653
Red oak	228,796	240,059	468,855
White oak.....	21,837	34,385	56,222
White birch.....	10,026,642	6,188,709	16,215,351
Poplar	13,709,143	14,373,889	28,083,032
Ash	351,292	268,479	619,771
Basswood.....	102,957	279,049	382,006
Black cherry.....	59,881	28,637	88,518
Butternut.....	1,388	3,601	4,989
Hickory	24,375	15,342	39,717
Other hardwoods	5,024	1,476	6,500
Total Hardwoods ...	28,115,047	31,202,794	59,317,841
TOTAL ALL SPECIES .	93,719,856	56,963,601	150,683,457

ANNUAL ALLOWABLE CUT in 000's Cubic Feet

Volumes of the annual allowable cut on productive forest land in Ontario by species and ownership groups.

Species	Crown land	Patented land	Total
White pine.....	32,254	13,737	45,991
Red pine.....	13,871	3,216	17,087
Jack pine.....	413,427	16,332	429,759
Pitch pine .....	.....	6	6
White spruce.....	105,027	12,711	117,738
Black spruce.....	551,794	21,943	573,737
Balsam fir.....	139,345	19,912	159,257
Hemlock	5,031	5,430	10,461
Cedar.....	15,893	12,687	28,580
Larch.....	2,459	849	3,308
Total Conifers	1,279,101	106,823	1,385,924
Sugar maple	30,476	42,957	73,433
Soft maple.....	1,725	26,825	28,550
Yellow birch.....	37,858	12,534	50,392
Beech.....	1,687	4,611	6,298
Elm	675	16,606	17,281
Ironwood	573	1,984	2,557
Red oak.....	149	4,950	5,099
White oak	6	673	679
White birch.....	263,626	31,863	295,489
Poplar	702,313	140,798	843,111
Ash.....	1,774	6,638	8,412
Basswood	1,489	7,973	9,462
Black cherry.....	115	1,102	1,217
Butternut.....	.....	92	92
Hickory.....	6	729	735
Other hardwoods	1,720	91	1,811
Total Hardwoods ...	1,044,192	300,426	1,344,618
TOTAL ALL SPECIES .	2,323,293	407,249	2,730,542

NEW POLICIES

NEW POLICIES

[illegible]

COMMITTEES

COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm for the Lab of Experimental Limnology
Advisory Committee on Recreational Land Use Planning
American Fisheries Society
 ---Resolutions Comm
 ---Water Quality Comm
Atlantic Flyway Council --- Technical Comm
Canada Land Inventory Co-ordinating Sub-Comm
Canada Fur Council
Co-ordinating Comm for Studies of Northern Ontario Water Resources
Curriculum Comm on Environmental Science
Educational Leave Comm
Federal-Provincial Advisory Comm---Resource Development Agreement
Federal-Provincial Comm on Ontario Fisheries
Federal-Provincial Co-ordinating Comm on Indians
Federal-Provincial Prairie Fisheries Comm
Federal-Provincial Wildlife Conference---Migratory Birds Technical Comm
Georgian Bay Fisheries Comm
Great Lakes Deer Group
Interdepartmental Comm on Pollution---Sub-Comm on Food Processing and Industrial Waste and Advisory Comm on Pollution Control
Interdepartmental Comm on Wildlife Management and Research (Conjoint Comm---Guelph University, Department of Agriculture and Lands and Forests)
Interdepartmental Rabies Comm (Federal and Provincial Departments of Health and Agriculture, and Ontario Dept. of Lands and Forests)
International Association of Game, Fish and Conservation Commissioners---
 ---Nominating Comm
 ---Executive Comm
International Great Lakes Fishery Commission ---
 ---Executive Comm
 ---Sea Lamprey Control and Research Comm
 ---Lake Superior Comm
 ---Lake Erie Comm
 ---Lake Ontario Comm
Metric System Comm
Midwest Fish and Game Comm --- Resolutions Comm
Midwest Pheasant Council (Association of Midwest Fish and Game Commissioners)
National Comm on Wildlife Lands
Nature Reserves Comm
North American Forestry Comm --- Working Group on Wildlife and Outdoor Recreation
North American Moose Group
Northeast Wildlife Conference --- Moose Sub-Comm
Ontario Council of Commercial Fisheries

Ontario Waterfowl Research Foundation
---Scientific Advisory Board
---Technical Advisory Comm
Outdoor Recreation Study Comm
Wild Rice Management Comm.

FOREST PROTECTION BRANCH

Advisory Comm on Pollution Control --- Sub-Comm on
Pesticides, Herbicides and Fertilizers
Air Pollution Control Association
Air Transport Association of Canada
Canadian Institute of Forestry --- Youth Training, Fire Control
Canadian Standards Association --- Comm on Fire Hose Couplings
Conservation Business Management Association
Entomological Society of Canada
National Association of Fleet Administration
National Fire Protection Association --- Forests Comm
National Research Council --- Associate Comm on Forest Fire
Protection
North American Forestry Commission --- Fire Control Working
Group
Ontario Forestry Association --- Forest Fire Prevention Comm
Ontario Professional Foresters Association
Western Forestry and Conservation Association.

LANDS AND SURVEYS BRANCH

Administrative sub-committee on Townsites
Advisory Committee on Geodesy and Photogrammetry
Advisory Council on Surveying
Association of Ontario Land Surveyors --- Member of Council
Canada Land Inventory Co-ordinating sub-committee
Canadian Advisory Council on Cadastral Surveys
Canadian Permanent Committee on Geographical Names
Co-ordinating Committee on studies of Northern Ontario Water
Resources (Ontario-Canada)
Federal and Provincial Government Survey Officials
Federal-Provincial Rideau Study Committee
International Boundary Commission
International Great Lakes Levels Board --- shore property
sub-committee
International Hydrological Decade
Interprovincial Boundary Commissions
Lake of the Woods Control Board
Mapping Liaison Committee
National Advisory Committee on Recreational Land Inventory
Northern Ontario Roads to Resources Committee
Ontario Water Resources Liaison Committee
Private Lands Liaison Committee
Public Agricultural Lands Committee
Waterfront Technical Committee (under Metropolitan Toronto).

LAW BRANCH

Fed-Prov Advisory Comm on Resources Management.

OPERATIONS BRANCH

American Association for Conservation Information
Canadian Association of Purchasing Agents
Canadian Public Relations Society --- Seminars Comm on
Management
Canadian Society of Safety Engineering --- Board of Governors
Conservation Business Management Association
International Association of Game, Fish and Conservation
Commissioners --- Vice-Chair, Communications Comm
International Order of Hoo-Hoo, Toronto Club No. 53 --- Pres.
International Rescue and First Aid Association --- Past Pres,
Board of Directors, and Executive Comm
National News Week (Toronto Men's Press Club) --- Vice-
Chairman
North American Conservation Hall of Fame --- 1st Vice-Pres
North-East Fish and Wildlife Association --- Information
and Education Section

PARKS BRANCH

Canada-Ontario Rideau Study Comm
Fed-Prov Parks Conference
Federation of Ontario Naturalists
Interdepartmental Master Tourism and Outdoor Recreation Plan
Comm
Intergovernmental Comm on Recreation and Wildlife (C. C. R. M.)
Northern Ontario Transportation Study Comm
Ontario Conservation Council --- Parks Comm, Research Comm
Ontario Forestry Assn --- Forest Fires Prevention Comm
Quetico-Superior Joint Advisory Comm
Wasaga Beach Advisory Comm --- Chairman.
Water Resources Liaison Comm.

RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm for the Lab of Experimental Limnology
American Fisheries Society
Canada Comm on Freshwater Fisheries Research
Canada-Ontario Joint Forest Research Comm
Federal Provincial Commission for Ontario Fisheries
Fed-Prov Great Lakes Research Comm
Great Lakes Deer Group
Great Lakes Fishery Commission
--- Advisory Comm
--- Scientific Advisory Comm
--- Sub-Comm on Lake Erie
--- Sub-Comm on Lake Huron
--- Sub-Comm on Lake Ontario
--- Sub-Comm on Lake Superior
Great Lakes Institute (University of Toronto)
Guelph University --- Dept of Agriculture --- Dept of Lands and
Forests Conjoint Comm
Lake Erie Council of Commercial Fishermen
Lake Erie Fish Management Comm
Lake Ontario Fisheries Management Comm (Ontario-New York)
Midwest Wildlife Conference --- Upper Great Lakes Fishery
Commission

Mississippi Flyway (Research) Council
 National Advisory Comm on Forest Land
 North American Wildlife Conference
 Northeast Wildlife Conference
 Northeastern Forest Tree Improvement Conference --- Site
 Evaluation Comm
 Ontario Agricultural College Comm on Correlation of Soil and Site
 Ontario Council of Commercial Fishermen
 Ontario Research Foundation
 --- Advisory Comm on Research in Forestry
 --- Advisory Comm on Research in Fish and Wildlife
 --- Quality Wood Comm
 Ontario Waterfowl Research Foundation --- Scientific Advisory
 Comm.

TIMBER BRANCH

American Society of Photogrammetry --- Photo Interpretation
 Comm
 Canada Comm on Forest Tree Breeding
 Canada-Ontario Forest Research Comm
 Canadian Institute of Surveying --- Air Photo Interpretation
 --- Sub-Comm on Equipment and Techniques
 --- Air Photo Interpretation of Forestry and Wildlife
 Conservation Council of Ontario
 Ontario Economic Council
 --- Comm on Rural Land Development
 --- Comm on Forest Based Industry
 Ontario Forestry Association --- Board of Directors
 --- Resources Rangers Advisory Comm
 Ontario Maple Syrup Producer's Association --- Advisory Comm
 Ontario Professional Foresters Association
 --- Private Lands Management
 --- Forest Management
 --- Practice and Ethics
 --- Public Relations
 Ontario Shade Tree Council
 Ontario Shade Tree Laboratory --- Advisory Comm
 Photogrammetria --- Editorial Comm
 Society of American Foresters
 --- Forest Mensuration Group
 --- U.S. Region Nine Nurserymen's Association
 Technical Comm on Forest Equipment
 U.N. Food and Agricultural Organization.

COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning
Chapleau Area Chamber of Commerce - Committee Member
Ontario Professional Foresters' Association

COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Lands Comm
Emergency Measures Organization
Mattagami River Valley Conservation Authority
Moosonee Chamber of Commerce
Moosonee Planning Board
Northeastern Ontario Development Association
Porcupine Chamber of Commerce
Search and Rescue Unit

FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning
Quetico-Superior International Joint Advisory Comm.

GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning
Geraldton Industrial Development Comm
Geraldton Planning Board
Longlac Conservation School
Marathon Conservation School
Search and Rescue Unit

KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Land Use Comm
Brunetville Rehabilitation Liaison Comm
Industrial Development Comm
Planning Boards (Kapuskasing and Hearst)

KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont,
Glengarry, Prescott and Russell and Carleton Counties
Catawqui Region Conservation Authority - Reforestation
Advisory Comm
Conservation Council of Stormont, Dundas and Glengarry
Eastern Ontario Development Council
Gananoque Management Comm
Gananoque River Waterway Association
Interprovincial Conservation Council
Ontario Federation of Agriculture (Leeds, Carleton)
Ontario Federation of Anglers and Hunters - Zone 4
Ontario Forestry Association - Tree Farm Comms in
Glengarry and Lanark Counties
Raisin River Conservation Authority
Rideau River Conservation Authority

Reforestation Comm for County Councils of Leeds and Grenville;
 Dundas, Stormont and Glengarry; Prescott and Russell;
 Carleton and Lanark.
 Reforestation Comms for Township Councils of Torbolton,
 Marlborough, Williamsburgh and Cumberland
 Seaway Valley Travel Council
 Soil and Crop Improvement Association --- Land Use Comms for
 Eastern Ontario and for Leeds, Grenville, Glengarry, Russell,
 Stormont and Prescott Counties.
 South Nation Conservation Authority
 St. Lawrence Parks Commission --- Fish and Wildlife Advisory
 Comm.

KENORA DISTRICT

Agricultural Lands Comm (ARDA)
 Dryden Conservation Camp --- Advisory Comm
 Dryden High School Forestry Course --- Advisory Comm
 Ontario Professional Foresters Association
 Recreational Zoning Comm.

LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board
 Big Creek Conservation Authority -
 --- Fish & Wildlife Advisory Board
 --- Forestry Advisory Board
 Catfish Creek Conservation Authority --- Forestry Advisory Board
 Grand Valley Conservation Authority --- Reforestation Comm
 Great Lakes Fishery Commission --- Research and Management
 Comm, Lake Erie Research and Management Comm
 Haldimand Agricultural Committee
 Kettle Creek Conservation Authority --- Forestry Advisory Board
 Lake Erie Fisheries Research Advisory Comm
 Lake Erie Regional Advisory Board
 Lake St. Clair Regional Advisory Board
 Lincoln County Reforestation Comm
 Lower Thames River Conservation Authority --- Forestry
 Advisory Board
 Middlesex County Forestry Comm
 Niagara Peninsula Conservation Authority --- Reforestation Comm
 Niagara Regional Advisory Board
 Norfolk County Reforestation Comm
 Ontario Professional Foresters Association --- Forest
 Management Comm
 Otter Creek Conservation Authority --- Forestry Advisory Board
 Sydenham Valley Conservation Authority --- Forestry Advisory
 Board

LAKE HURON DISTRICT

Ausable Valley Conservation Authority --- Forestry Advisor
 Big Creek Conservation Authority --- Forestry Advisor
 Camp Oliver (Department of Reform Institutions)
 Canadian Institute of Forestry --- Southern Ontario Section
 Council
 Grand River Conservation Authority --- Forestry Advisor
 Hamilton Region Conservation Authority --- Forestry Advisor
 Huron District Woodlot Association
 Midwestern Ontario Regional Advisory Board

Maitland Conservation Authority --- Forestry Advisor
 North Grey Conservation Authority --- Forestry Advisor
 Otter Creek Conservation Authority --- Forestry Advisor
 Reforestation Comms of County Councils in Grey, Bruce, Huron,
 Oxford, Waterloo, Wellington, Wentworth, Brant, and Halton
 Counties
 Sauble Conservation Authority --- Forestry Advisor
 Saugeen Conservation Authority --- Forestry Advisor
 Upper Thames Conservation Authority --- Forestry Advisor.

LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
 Central Lake Ontario Conservation Authority --- Land Use,
 Water Control and Reforestation Advisory Board
 Central Ontario Regional Development Advisory Board
 Credit Valley Conservation Authority --- Reforestation and Land
 Use Advisory Board
 Essa Township Conservation Comm
 Lake Simcoe and District Maple Syrup Producers' Association
 Metropolitan Toronto and Region Conservation Authority ---
 Reforestation and Land Use Advisory Board
 Minister's Advisory Comm on Wasaga Beach
 Reforestation Comms of County Councils in Simcoe, Dufferin,
 York and Ontario Counties
 Shore Facilities Sub-Committee of the Advisory Committee on
 Control of Pollution from Pleasure Craft
 Wasaga Beach Interdepartmental Study Comm.

LINDSAY DISTRICT

Canadian Institute of Forestry --- Research Communications
 Comm; Forest Management Comm
 Central Lake Ontario Conservation Authority --- Land Use,
 Water Control and Reforestation Advisory Board
 Durham and Northumberland Counties --- Reforestation Comm
 Ganaraska Region Conservation Authority --- Forestry Advisory
 Board
 Lake Ontario Regional Development Council
 Otonabee Region Conservation Authority --- Reforestation and
 Land Use Advisory Board; Wildlife Advisory Board
 Victoria County --- Reforestation and Soil Conservation Comm;
 ARDA Comm.
 Peterson Trail Conservation Association.

NORTH BAY DISTRICT

Agricultural Lands Comm
 Canadian Institute of Forestry
 Ontario Professional Foresters' Association, Vocational
 Guidance Comm.
 Recreational Land Use Planning Comm.

PARRY SOUND DISTRICT

Agricultural Land Use Comm
 Federation of Ontario Naturalists --- Jr. Naturalist Bulletin
 Muskoka, Parry Sound and Nipissing Maple Syrup Producers'
 Assn
 North Georgian Bay Advisory Comm

Parry Sound Anglers and Hunters Association
Peterson Trail Conservation Association
Recreational Land Use Planning Comm (Parry Sound and Muskoka).
Regional Development Board, Ont. Regional Development Program

PEMBROKE DISTRICT

Advisory Committee on Recreational Land Use Planning
Canadian Institute of Forestry - program comm
County of Renfrew Conservation Comm
Ontario Professional Foresters Association
Opeongo Line Development Association
Renfrew County ARDA Advisory Comm.

PORT ARTHUR DISTRICT

Lakehead Campers Association
Lakehead Conservation Authority
Lakehead University --- Forestry Comm
Private Lands Liaison Comm
Quetico-Superior Joint Advisory Comm
Recreational Land Use Planning Comm
Shebandowan Campers Association
Thunder Bay Fish and Game Association.

SAULT STE. MARIE DISTRICT

Agricultural Comm
Agricultural Resources Development Assoc
Agriculture and Conservation Comm --- Kiwanis
Canadian Institute of Forestry
Forest Products Accident Prevention Assoc --- Area Comms
4-H Club
Municipal Recreation Boards
Ontario Professional Foresters Assoc --- Council
Recreational Land Use Planning Comm
Sault Ste. Marie Chamber of Commerce Tourist Comm
Sawmilling Industries Comm
Y.M.C.A. Canoe Tripping Comm.

SIoux LOOKOUT DISTRICT

Agricultural Lands Comm
Association of Natural Resource Technicians (Ontario)
Canadian Institute of Forestry, Lake of the Woods Section
Co-ordinating Comm on Studies of Northern Ontario Water Resources
Ontario Professional Foresters Association
Recreational Land Use Planning Comm
Search and Rescue Unit
Sioux Lookout Resource Rangers

SUDBURY DISTRICT

Manitoulin Island Conservation Advisory Comm
Recreational Land Use Planning Comm

SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Comm.
Agricultural Lands Comm
Kirkland Lake Chamber of Commerce --- Member
Search and Rescue Unit

TWEED DISTRICT

Cataraqui Region Conservation Authority --- Environmental
Sciences Advisory Board
Joint Commercial and Sport Fish Comm for the Bay of Quinte
Moirs River Conservation Authority --- Wildlife Advisory Board
Napane River Conservation Authority --- Forestry Advisory
Board
Renfrew County --- Agriculture and Conservation Comm
Advisory Comms to County ARDA -- Frontenac, Prince Edward,
Hastings, and Lennox and Addington.

WHITE RIVER DISTRICT

Canadian Institute of Forestry
Recreational Planning Comm
Ontario Professional Foresters Assn --- Management Planning
Comm.

ONTARIO FOREST TECHNICAL SCHOOL

Canadian Council of Technical Forestry School Executives

NEW POLICIES

[illegible]

AREA AND POPULATION BY PROVINCES populations in 000's

Province...Area in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961	*1968
Ontario.....412,582 July 1, 1867	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236	7,355
Quebec.....594,860 July 1, 1867	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259	5,945
Nova Scotia.....21,068 July 1, 1867	387	450	492	523	512	577	642	737	762
New Brunswick.....27,985 July 1, 1867	285	321	351	387	408	457	515	598	626
P.E.I.....2,184 July 1, 1873	94	109	93	88	88	95	98	105	110
Newfoundland.....155,364 Mar. 31, 1949	....	.....	.....	.....	.....	.....	361	458	511
Manitoba.....246,512 July 15, 1870	25	152	461	610	700	729	776	922	974
Saskatchewan.....251,700 Sept. 1, 1905	....	.....	492	757	921	895	831	925	962
Alberta.....255,285 Sept. 1, 1905	....	.....	374	588	731	796	939	1,332	1,538
British Columbia...366,255 July 20, 1871	36	98	392	524	694	817	1,165	1,629	2,028
Territories**...1,511,979	48	98	15	12	13	16	25	38	46
CANADA.....3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238	20,857

*Estimate of Dominion Bureau of Statistics, Oct. 1.

**Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.

1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

1943 Geraldton District established.
Forest Ranger School at Dorset established.

1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.

1949 White River District established (Central Region), the 22nd District.

1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

1956 Rideau District named Kemptville District.

1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

1958 Surveys Act completely revised.
Silviculture becomes the third Branch in Division of Timber.
Land Use Planning Section created in Lands and Surveys.

1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.

1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.

1965 Land Use Planning Section, Lands and Surveys Branch, merged with Land Acquisition Section as Land Acquisition and Planning Section.

1966 The Woodlands Improvement Act was passed into law, authorizing the Minister of Lands and Forests to enter into agreements with land-owners under which tree planting and woodland improvement work may be done by the Department.

G.H.U. Bayly appointed Deputy Minister. Regional Director appointed at Maple for Southern Ontario, additional to directors at Sudbury (North-Eastern) and Port Arthur (North-Western). Regional Forester in South-Central, only.

1967 "Post One" - The first monument in the Ontario Plane Coordinate System of surveys dedicated on June 21st at Queen's Park.

1968 Gogama Forest District eliminated in a re-organization, effective April 1st, reducing the number of districts to 21.

MEMORANDUM

[illegible]

Government
Publications

STATISTICS, 1970



ONTARIO

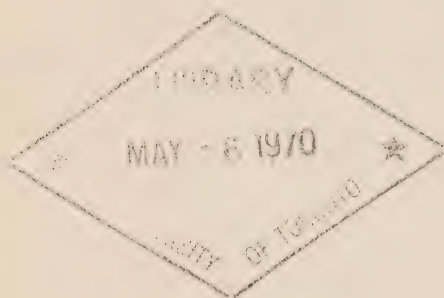
Ontario Dept
DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE,
Minister

G. H. U. BAYLY,
Deputy Minister

*statistical reference of lands and
forests administration*





STATISTICS, 1970

**A
Statistical Reference
of
Lands and Forests
Administration**

OPERATIONS BRANCH



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE,
Minister

G. H. U. BAYLY,
Deputy Minister

INDEX

	PAGE
Foreword.....	1
Premiers of Ontario since Confederation.....	2
Commissioners and Ministers since 1827.....	3
Deputy Ministers since Confederation.....	4
ACCOUNTS BRANCH	7
Revenue and Expenditures.....	9
Revenue, details of	10
FISH AND WILDLIFE BRANCH	17
Fur Returns by Game Management Districts.....	19
Pelts, Value and Revenue	20
Bounties Paid	22
Breeding Stock on Fur Farms.....	23
Game Birds, Hunting Preserves and Propagators.....	24
Licences Sold (Hunting and Angling)	26
Fish Hatchery Distribution	28
Commercial Fishing Equipment.....	32
Yield of Fisheries by Species and Waters	33
Prosecutions, Fines, etc.	41
FOREST PROTECTION BRANCH.....	43
Historic Fires	46
Forest Fire Statistics.....	47
Major Equipment.....	53
Air Service Section.....	57
Air Service Statistics.....	58
Air Base Opening Dates	62
LANDS AND SURVEYS BRANCH	65
Lands Proposed, Acquired and Rejected	71
Free Grant Land	73
Agricultural Land	74
Summer Resort Land	75
Cities, Towns and Townplots	76
Land for Special Use.....	77
Licences of Occupation, Leases.....	78
Land Use Permits.....	79
By District, 1967.....	80
By District, 1968.....	88
By District, 1969.....	95
Distribution of Lithographed Maps.....	102
Retracement Surveys, Installed Capacity in H. P.	103
LAW BRANCH	105
Federal-Provincial Co-operative Agreements	113

INDEX - Continued

	PAGE
OPERATIONS BRANCH	121
Hunter Safety Training, Hunting Accidents	123
Workmen's Compensation	124
Illustrated Public Lectures	125
Information and Education Services	126
Publications	127
PARKS BRANCH	131
Public Use of Provincial Parks	133
Provincial Parks (by Districts)	136
Reserve Areas (by Districts)	140
Wilderness Areas	142
PERSONNEL BRANCH	147
Number of Employees	149
Summary of Classifications	150
Number of Professional Employees	152
Number of Employees by Months	153
Junior Rangers	154
Supervisory Personnel	155
District Supervisory Personnel	156
Administrative Districts	170
Ontario Forest Technical School	181
RESEARCH BRANCH	183
TIMBER BRANCH	187
Timber Production Section	189
Reforestation Establishments, Tree Production	190
Trees Supplied to Private Lands	192
Forest Areas Managed by the Minister	194
Trees Planted on Managed Forests and Crown Lands	196
Trees Planted in Forest Districts	199
Stand Improvement	200
Forest Regeneration by District	201
Forest Tending by District	203
Economics Unit	205
Timber Sales Section	207
Wood Cut by District	211
Wood Cut by Species	250
Licences -- Timber and Mills	251
Management Units	252
Primary Growing Stock and Allowable Annual Cut	253
COMMITTEES	257
AREA AND POPULATION by Provinces	267
HISTORICAL HIGHLIGHTS	268

FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1969 season and are subject to correction in the Annual Report for the year ending March 31st, 1970.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield Macdonald.....	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat.....	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy.....	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney.....	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury ..	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry.....	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn..	July 10, 1934	Oct. 21, 1942
Hon. G.D. Conant.....	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon.....	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy ..	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	.....

COMMISSIONERS AND MINISTERS SINCE 1827

	From	To
Hon. Peter Robinson	July 17, 1827	July 14, 1836
Hon. R.B. Sullivan.....	July 14, 1836	June 30, 1841
Hon. John Davidson	July 23, 1841	Oct. 12, 1842
Hon. A.N. Morin	Oct. 13, 1842	Dec. 11, 1843
Hon. D.B. Papineau.....	Sept. 3, 1844	Dec. 7, 1847
Sir John A. MacDonald ..	Dec. 8, 1847	Mar. 10, 1848
Hon. J.H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte ...	Aug. 17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855	April 30, 1857
Sir E.P. Tache	June 16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte ...	Nov. 25, 1857	Aug. 1, 1858
Sir. A.A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet .	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood...	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall....	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell.....	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards...	July 1, 1867	July 25, 1871
Sir Matthew C. Cameron.	July 25, 1871	Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy ...	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E.J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A.G. McKay.....	Nov. 22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb. 8, 1905	May 13, 1905
Hon. F. Cochrane.....	May 13, 1905	Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G.H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N.O. Hipel	May 27, 1941	Aug. 17, 1943
Hon. W.G. Thompson....	Aug. 17, 1943	Nov. 28, 1946
Hon. H.R. Scott.....	Nov. 28, 1946	June 3, 1952
Hon. W.S. Gemmell.....	June 3, 1952	July 7, 1954
Hon. C.E. Mapledoram..	July 7, 1954	July 4, 1958
Hon. J.W. Spooner	July 23, 1958	Oct. 25, 1962
Hon. A. Kelso Roberts, Q. C.	Oct. 25, 1962	Oct. 28, 1966
Hon. Rene Brunelle	Nov. 24, 1966	.....

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL.....	1941
G. H. U. BAYLY.....	1966

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization until retiring in 1966.

G. H. U. BAYLY joined the Department with the Division of Reforestation in 1945. He was appointed Chief in 1955 and Assistant Deputy Minister in 1957. He flew with the RCAF from 1940 to 1945, in the United Kingdom, Africa and the Far East, retiring with the rank of Squadron Leader and the Distinguished Flying Cross won in the battle for Ceylon. He received a B.Sc. F. degree from the University of Toronto in 1939 and a M. Sc. F. in 1952.

NEW POLICIES

[illegible]

NEW POLICIES

[illegible]

ACCOUNTS BRANCH

The Division of Accounts was established in 1941 under J. G. McMillen.

R. R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports. A comprehensive internal audit program is provided. In 1964, a systems improvement program was instituted.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBEAN

Chief Accountant: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

Systems Improvement Program

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES

in years ending March 31st

YEAR	CASH RECEIPTS		Total	CASH DISBURSEMENTS		
	Ordinary	Capital		Ordinary	Capital	Total
1948	\$ 10,467,251.70	\$ 215,151.77	\$ 10,682,403.47	\$ 7,598,611.94	.....	\$ 7,598,611.94
1949	11,419,352.16	215,884.90	11,635,237.06	11,400,801.97	.....	11,400,801.97
1950	10,924,652.37	677,603.32	11,602,255.69	9,913,520.62	\$ 4,623,339.12	14,536,859.74
1951	10,966,065.72	5,351,437.91	16,317,503.63	9,840,796.17	3,326,822.18	13,167,618.35
1952	14,604,915.18	3,222,682.07	17,827,597.25	10,681,717.01	2,196,671.93	12,878,388.94
1953	20,634,549.56	2,513,325.57 ^m	23,147,875.13	11,486,280.94	1,654,781.54 ^m	13,141,062.48
1954	18,156,762.00	1,810,672.96	19,967,434.96	12,608,258.47	800,000.00	13,408,258.47
1955	19,146,974.96	178,810.09	19,325,785.05	12,716,508.33	178,810.09	12,895,318.42
1956	19,823,049.47	328,056.86	20,151,106.33	17,148,523.65	128,297.23	17,276,820.88
1957	20,881,873.91	367,501.40	21,249,375.31	16,037,678.39	187,935.36	16,225,613.75
1958	22,189,712.48	490,717.96	22,680,430.44	18,733,582.62	280,550.13	19,014,132.75
1959	19,512,132.50 ^w	725,375.25	20,237,507.75	20,259,829.63	4,167,468.40 ^p	24,427,298.03
1960	18,627,418.14 ^w	807,860.60	19,435,278.74	23,029,901.12 ^p	991,022.60	24,020,923.72
1961	20,811,710.78	844,686.28	21,656,397.06	23,042,059.98	234,988.32	23,277,048.30
1962	21,361,244.94	644,158.52	22,005,403.46	26,606,120.51	1,413,973.51	28,020,094.02
1963	21,852,508.58 ^w	721,351.77	22,573,860.35	25,579,139.71	2,934,927.69	28,514,067.40
1964	22,584,169.47	640,056.82	23,224,226.29	27,815,028.66	3,557,125.18	31,372,153.84
1965	23,273,311.03	768,852.31	24,042,163.34	28,667,274.63	1,562,775.74	30,230,050.37
1966	25,513,416.20	822,938.60	26,336,354.80	28,528,699.63	3,893,760.12	32,422,459.75
1967	26,288,442.11	1,129,352.10	27,417,794.21	36,307,310.01	5,905,588.27	42,212,898.28
1968	28,755,043.88	1,225,300.22	29,980,344.10	42,807,111.26	8,006,754.94	50,813,866.20
1969	32,291,088.76	1,488,316.16	33,779,404.92	48,375,964.51	10,343,575.11	58,719,539.62

Grants to Conservation Authorities in 1962, 1963 and 1964.

Water power revenue transferred to Treasury Department in 1959. p--Parks improvements. w--Cut back in woods operation. m--Mississagi project.

TIMBER REVENUE in years ending March 31st

Year	Crown Dues	Ground Rent	Forest Protection Charges	Cash Deposits and Refunds	Misc.	Total
1947	\$6,175,444	\$125,061	\$461,164	\$164,784	\$17,651	\$6,944,104
1948	6,093,410	126,875	456,444	.....	178,302	6,855,031
1949	6,899,107	108,934	440,011	130,506*	14,744	7,332,290
1950	6,146,884	112,139	485,313	29,195	15,704	6,789,235
1951	5,269,279	116,642	1,007,662	53,743	13,777	6,461,103
1952	8,324,529	114,197	1,010,554	26,954	24,631	9,500,865
1953	13,718,339	123,366	1,175,776	77,859	22,361	15,117,701
1954	10,225,155	79,832	1,052,635	14,373*	23,211	11,396,460
1955	10,834,114	76,019	945,953	53,919	17,673	11,927,678
1956	11,667,003	76,234	971,517	18,024*	10,000	12,706,730
1957	12,332,778	80,786	1,091,659	34,762	16,583	13,556,568
1958	13,333,503	81,098	1,041,837	45,844*	20,414	14,431,008
1959	11,382,445w	84,468	1,085,027	51,833*	19,893	12,520,000
1960	10,381,470w	82,255	1,057,804	16,924	26,869	11,565,322
1961	11,983,088	80,488	1,035,464	38,664*	32,041	13,092,417
1962	12,202,240	83,074	1,085,269	21,102	14,660	13,406,345
1963	11,418,166w	83,903	1,096,639	7,969*	26,661	12,617,400
1964	12,194,962	81,522	989,233	48,800	25,067	13,339,583
1965	12,442,384	88,569	1,153,344	16,177	29,239	13,729,713
1966	13,770,045	83,865	1,083,416	64,461*	20,715	14,893,580
1967	13,273,094	85,950	1,123,840	38,958	44,628	14,566,470
1968	15,006,187	118,105	1,519,165	22,730*	94,084	16,714,811
1969	14,704,603	239,304	3,125,169	20,422	100,289	18,189,787

*Refunds in excess of deposits.

w - Cut back in woods operations.

PROVINCIAL PARKS REVENUE in years ending March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Federal Assistance	Misc.	Total
1957	\$	\$ 45,613	\$	\$	\$ 13,008	\$ 58,621
1958	148,488	78,462	.....	.....	17,383	244,333
1959	207,751	124,137	.....	222,287	27,181	581,356
1960	292,459	206,148	44,775	.....	25,556	568,938
1961	382,887	331,481	60,868	195,129	25,208	995,573
1962	438,632	447,535	58,831	.....	45,313	990,311
1963	507,657	537,997	71,646	218,916	34,347	1,370,563
1964	554,098	599,440	84,125	.....	17,305	1,254,968
1965	591,748	626,034	95,487	.....	21,945	1,335,214
1966	901,300	863,704	95,082	.....	24,849	1,884,935
1967	1,024,315	935,513	105,670	.....	37,998	2,103,496
1968	1,028,405	1,001,079	107,536	239,410	55,579	2,432,009
1969	553,131	1,648,213	116,283	.....	95,986	2,413,613

FISH AND WILDLIFE REVENUE in years ended March 31st.

Year	Non-Res. Angling Licences	Res. P. P. Angling Licences	Res. Angling Licences	Other Fishing Licences	Commercial Fishing Licences	Royalty Fish	Non-Res. Hunting Licences	Res. Bear Licences	Res. Deer Licences	Res. Moose Licences
1948	\$1,156,904	.....	.....	.....	\$102,301	\$ 8,404	\$ 453,790	.....	\$205,827	\$11,878
1949	1,335,358	\$14,840	.....	\$ 303	108,083	8,514	468,705	.....	237,707	16,787
1950	1,432,230	12,664	.....	5,287	106,251	9,093	364,922	.....	242,208	352
1951	1,614,125	13,960	.....	9,690	112,423	9,265	401,490	.....	264,881	.....
1952	1,848,666	12,685	.....	7,395	124,197	11,058	340,255	.....	279,945	14,000
1953	1,930,756	10,295	.....	8,905	125,194	14,857	156,913	.....	348,664	33,487
1954	2,074,178	11,896	.....	12,573	99,815	13,039	447,366	.....	355,911	52,464
1955	2,188,435	16,233	.....	23,269	107,442	9,353	453,644	.....	364,082	73,460
1956	2,262,680	16,655	.....	26,164	96,797	9,983	513,088	.....	405,201	90,040
1957	2,276,555	18,206	.....	28,181	102,234	15,032	545,979	.....	400,272	134,210
1958	2,411,133	20,844	.....	22,967	87,810	17,857	563,004	.....	415,920	173,650
1959	2,313,643	23,782	.....	21,134	89,122	6,605	588,852	.....	459,439	214,664
1960	2,366,465	33,147	.....	21,433	89,212	1,615	698,968	.....	468,833	245,033
1961	2,404,545	31,066	.....	18,322	90,592	1,253	797,213	.....	493,361	280,274
1962	2,492,627	34,585	.....	18,698	90,160	2,693	936,819	\$ 21	420,727	358,695
1963	2,575,611	32,960	.....	18,144	93,612	2,705	1,041,490	1,536	478,444	363,095
1964	2,651,793	33,426	.....	18,976	94,207	2,541	1,125,019	1,782	457,361	393,296
1965	2,656,575	39,227	.....	23,007	97,735	1,783	1,278,264	2,083	493,979	366,693
1966	2,808,858	38,258	.....	23,292	99,982	975	1,478,195	2,917	533,179	422,535
1967	2,932,274	38,859	.....	28,020	108,092	724	1,859,144	4,066	546,667	436,508
1968	2,961,135	39,860	.....	30,977	112,700	1,936	1,896,323	4,821	552,136	464,418
1969	3,218,579	39,999	\$151,533*	28,476	115,815	982	2,105,872	5,710	903,722	725,130

*Resident Angling Licence introduced January 1st, 1969.

FISH AND WILDLIFE REVENUE in years ended March 31st.

Year	Res. Ground		Res. Hunting (Gun)	Trappers' Licences		Fur Dealers' Licences		Royalty Game	Hunter Examination Fees		Provincial Park Hunting Permits	Misc.	Total
	Hog Licences			Licences		Licences							
1948	\$ 6,618		\$ 139,983	\$ 13,764	\$ 54,139	\$ 31,889	\$ 152,376		.....		.....	\$ 82,788	\$ 2,420,661
1949	9,401		150,977	15,923	62,746	30,674	265,425		.....		.....	88,433	2,813,876
1950	10,800		167,216	16,212	56,390	27,787	237,037		.....		.....	86,069	2,774,518
1951	10,583		173,087	17,120	64,078	27,305	257,619		.....		.....	90,125	3,065,751
1952	10,115		195,767	17,116	58,851	24,872	282,812		.....		.....	92,211	3,319,945
1953	13,052		218,336	18,595	58,896	23,111	339,708		.....		.....	109,146	3,409,915
1954	13,136		218,887	19,511	54,252	18,833	298,753		.....		.....	110,121	3,800,735
1955	21,175		234,296	21,766	53,374	19,413	289,846		.....		.....	113,468	3,989,256
1956	21,018		250,758	23,544	56,545	17,094	260,507		.....		.....	104,640	4,154,714
1957	23,845		244,431	23,492	49,595	14,345	223,357		.....		.....	106,093	4,205,827
1958	25,199		267,922	23,664	43,915	12,847	233,885		.....		.....	113,914	4,434,531
1959	28,867		292,713	24,224	38,330	3,979	229,946		.....		.....	104,524	4,439,824
1960	29,305		294,128	25,033	41,090	3,844	210,911		.....		.....	93,190	4,622,207
1961	29,152		298,594	24,516	37,274	3,300	242,210		.....		.....	96,438	4,848,110
1962	27,097		295,014	22,574	31,621	3,521	212,461		.....		.....	107,203	5,054,516
1963	28,199		301,142	22,187	33,031	3,488	222,234		.....		.....	106,918	5,324,796
1964	33,351		321,180	24,811	37,009	3,844	290,563		.....		\$16,998	91,923	5,598,080
1965	32,347		309,060	24,269	34,744	3,586	252,380		.....		20,869	92,477	5,729,078
1966	36,919		328,177	25,732	32,911	3,326	197,077		.....		25,176	95,792	6,153,301
1967	39,443		331,256	25,934	31,641	2,950	223,867		.....		27,764	109,254	6,746,463
1968	39,776		335,350	25,292	30,433	2,746	218,622		\$11,649		31,320	131,521*	6,891,015
1969	44,198		913,544	25,305	33,057	2,906	222,626		68,901		31,955	53,078	8,691,388

*Fines included in Miscellaneous Revenue to Year Ended March 31st, 1968, now reported by Department of Justice.

LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,237	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250
1966	495,852	324,548	32,041	198,039	1,050,480
1967	732,281	346,762	34,265	356,877	1,470,185
1968	778,884	399,445	30,987	309,784	1,519,100
1969	1,113,794	384,822	30,781	422,869	1,952,266

† Leases and Licences of Occupation

CASH RECEIPTS

In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	*Nursery Tree Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	.....
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414
1966	1,528,775	121,514	26,664	72,007	143,283
1967	1,772,838	136,660	31,878	81,667	106,888
1968	1,761,796	136,921	38,715	124,489	129,535
1969	1,754,617	169,603	44,572	84,249	159,354

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

NEW POLICIES

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 240. At peak periods, they are assisted by more than 200 other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: Dr. C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: F.A. Walden

Game Management
Fur Management
Field Services

FISHERIES SECTION

Supervisor: J.D. Roseborough

Game Fish and Hatcheries
Fisheries Inventory
Commercial Fisheries
Indian Affairs Agreement

SPECIAL STAFF

Chief's Clerical Staff
Accounts and Staff Records
Reports, Publications and Laboratory

FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Year	No. of Trappers	Beaver	Fisher	Fox	Lynx	Marten	Mink	Muskrat	Otter	Raccoon	Skunk	Squirrel	Weasel
1951	11,379	81,790	662	3,480	415	1,045	31,323	408,662	6,137	6,667	4,538	4,121	32,002
1952	11,641	99,391	2,081	5,069	251	1,529	27,704	567,565	5,259	10,905	5,747	5,598	13,129
1953	12,332	109,260	2,414	5,838	1,216	2,210	28,904	671,642	6,410	9,874	5,749	16,077	23,737
1954	11,914	91,484	2,335	5,289	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816
1955	12,310	115,439	2,915	2,977	1,547	3,587	29,520	640,865	6,224	99,641	1,879	16,133	28,813
1956	11,001	98,084	3,046	2,782	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190
1957	9,529	106,738	2,127	1,313	564	4,467	36,284	443,153	5,727	10,551	1,105	19,440	17,981
1958	8,604	140,371	3,173	2,159	1,103	6,061	49,484	446,578	8,519	9,596	2,019	14,778	16,410
1959	7,826	120,566	2,365	2,160	2,242	4,559	44,926	337,936	6,698	4,200	572	11,300	11,626
1960	8,657	110,615	3,125	1,273	4,038	6,361	47,445	320,287	6,040	10,580	389	9,255	12,472
1961	9,100	132,375	3,348	1,753	4,502	9,325	61,520	304,731	7,422	7,433	216	12,496	12,631
1962	8,588	137,609	2,728	3,090	4,578	10,260	47,215	377,888	7,456	9,543	264	10,009	11,143
1963	9,448	167,408	2,830	1,647	4,743	7,748	43,048	345,428	8,326	9,189	112	12,850	10,213
1964	9,437	181,778	3,659	2,625	4,913	12,822	44,161	366,862	8,890	11,025	...	14,880	10,213
1965	8,937	161,229	2,581	2,343	1,690	10,664	32,825	251,795	8,457	8,280	...	17,750	11,841
1966	9,035	147,627	3,116	4,088	1,503	19,131	25,705	390,685	8,171	20,389	72	9,297	10,446
1967	8,988	143,776	3,016	4,581	1,167	26,591	23,964	359,142	6,928	11,797	...	7,490	7,721
1968	7,497	160,278	2,189	3,672	912	13,977	21,272	369,848	7,204	14,970	...	17,758	5,791
1969	8,094	164,888	3,536	6,258	1,406	30,699	28,464	539,034	7,638	19,695	...	15,948	11,357
1969	Price(\$)	20.16	25.45	13.90	32.67	7.67	11.95	1.23	31.85	7.44	...	...	...
1969	Total Value:	\$5,201,675.12											.29

* Management began in 1947. Wolf and bear returns not reported above.

** Lynx includes Bob Cat.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

VALUE OF PELTS

Year	Wild Beaver	Ranch Mink	Total Wild	Total Ranch	Total	Wild Beaver	Total Wild	Total Ranch	Total
1947	45,908	73,770	876,204	101,430	977,634	\$1,273,947	\$4,966,209	\$2,262,888	\$7,229,098
1948	20,102	125,829	1,001,249	155,468	1,156,717	671,407	4,040,847	2,346,039	6,386,885
1949	74,414	143,358	1,046,628	164,917	1,211,545	1,592,460	5,187,075	1,647,044	6,834,120
1950	65,728	143,513	931,890	158,912	1,090,802	1,311,274	4,248,297	2,165,233	6,413,530
1951	82,048	142,570	811,579	152,208	963,787	1,938,794	4,582,901	3,101,559	7,684,460
1952	105,769	144,436	959,431	152,284	1,111,715	1,496,631	3,656,919	2,355,226	6,012,145
1953	122,590	152,760	1,098,286	156,903	1,255,189	1,612,059	3,868,812	2,171,784	6,040,596
1954	105,361	131,192	1,016,672	132,759	1,149,431	1,016,734	2,682,762	1,905,518	4,588,280
1955	135,290	158,662	1,107,530	159,765	1,267,295	1,995,528	4,284,902	2,942,968	7,227,870
1956	113,200	171,723	786,608	172,985	959,593	1,386,700	2,989,521	4,129,555	7,119,077
1957	113,036	247,998	788,666	248,317	1,036,983	1,254,700	2,575,809	2,978,209	5,554,018
1958	141,263	237,172	791,165	237,930	1,029,095	1,483,262	2,713,427	3,943,119	6,656,546
1959	120,121	262,788	680,189	262,913	943,102	1,249,259	2,445,203	3,969,224	6,414,426
1960	111,235	286,845	641,093	287,265	928,358	1,479,426	2,831,174	4,450,571	7,281,744
1961	131,620	348,193	680,878	348,602	1,029,480	1,408,334	2,469,875	4,441,088	6,910,963
1962	137,634	385,650	627,283	385,962	1,013,245	1,362,577	2,451,075	5,593,485	8,044,560
1963	166,726	385,982	692,487	386,133	1,078,620	1,959,031	3,439,311	6,176,920	9,616,231
1964	183,973	437,303	742,923	437,443	1,180,366	2,327,258	3,942,029	7,019,973	10,962,002
1965	159,524	393,231	597,866	393,231	991,097	1,659,050	2,877,897	5,898,465	8,776,362
1966	149,408	482,932	724,464	483,142	1,207,606	2,285,942	3,985,556	8,219,084	12,204,640
1967	140,083	542,647	611,536	542,822	1,154,358	1,603,950	2,596,393	5,430,845	8,027,238
1968	164,319	593,633	705,943	593,673	1,299,616	2,366,194	3,348,373	5,729,358	9,077,731
1969	138,836	553,181	686,296	553,275	1,239,571	2,457,397	4,161,541	7,886,989	12,048,530

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

ROYALTY ON WILD PELTS

Year	Beaver Export	Beaver Tanners	Wild Export	Wild Tanners	Total Export	Total Tanners	Beaver	Wild Export	Wild Tanners	Total
1947	45,847	61	667,657	208,546	762,998	214,636	\$ 91,816	\$188,561	\$23,229	\$211,790
1948	20,083	19	714,941	286,308	862,700	294,017	.....	.....	.....	.....
1949	74,253	161	784,276	262,352	940,378	271,167	148,828	238,974	27,156	266,130
1950	65,600	128	758,371	173,519	909,079	181,723	131,456	219,949	18,075	238,024
1951	81,845	203	665,366	146,213	814,447	149,340	164,096	241,937	15,493	257,430
1952	105,503	266	773,562	185,869	922,868	188,847	211,538	300,321	19,556	319,877
1953	122,287	303	848,398	249,888	998,713	256,476	185,586	300,799	26,314	327,113
1954	105,071	290	780,147	236,525	908,990	240,441	158,071	268,823	25,430	294,253
1955	134,729	561	788,052	319,478	941,348	325,947	136,563	242,490	34,794	277,284
1956	111,663	537	604,077	182,531	769,027	190,566	113,200	196,956	20,767	217,723
1957	111,278	1,758	559,150	229,516	788,370	248,613	113,036	194,340	27,596	221,936
1958	140,930	333	657,062	134,103	879,779	149,779	141,263	224,921	9,407	234,328
1959	119,684	437	586,768	93,421	830,538	112,564	120,121	195,586	8,353	203,939
1960	109,757	1,478	588,120	82,973	821,984	106,374	111,235	188,562	6,950	195,512
1961	130,167	1,453	608,949	71,929	918,212	111,268	131,620	224,237	9,017	233,254
1962	135,949	1,685	569,249	58,034	897,511	115,734	137,634	217,870	5,999	223,869
1963	164,293	2,433	623,347	69,140	959,404	119,216	166,726	242,652	6,981	249,633
1964	135,791	48,182	530,863	212,060	903,688	276,678	183,973	198,473	72,874	271,347
1965	116,901	42,623	405,967	191,899	728,415	262,682	159,524	166,325	64,339	230,664
1966	99,719	49,689	430,514	293,950	835,687	371,919	149,408	146,612	77,732	224,344
1967	92,676	44,407	364,475	247,061	827,995	326,363	140,083	135,015	73,449	208,464
1968	105,703	58,616	397,170	308,773	866,491	433,125	164,319	144,588	83,882	228,470
1969	88,888	49,948	476,893	209,403	938,616	300,955	88,888	136,675	78,428	215,103

BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

Year	12 mts. and over \$ 10 each	Under 12 mts. \$ 5 each	Total Amount Paid
1947	959	73	\$9,735
1948	509	17	5,095
1949	592	67	6,035
1950	803	122	8,530
1951	453	47	4,645
1952	408	29	4,180
1953	662	57	6,805
1954	947	145	10,000
1955	1,126	99	11,590
1956	614	50	6,210
1957	611	50	6,225
1958	1,568	300	16,930
1959	1,084	116	11,145
1960	697	139	7,590
1961	401	46	4,150
1962	*328	*33	*3,405
1963	(Payment ended on July 27, 1961)		
1964	....	....	.....
1965	....	....	.....
1966	....	....	.....
1967	....	....	.....
1968	....	....	.....
1969	....	....	.....

WOLF BOUNTY

Year	Timber	Brush	Pups	Total	Total Amount Paid
1947	1,440	1,182	42	2,664	\$59,275
1948	1,515	961	74	2,540	54,923
1949	1,581	1,062	84	2,727	57,977
1950	1,613	890	41	2,544	56,927
1951	1,405	651	44	2,100	46,457
1952	1,198	634	63	1,895	41,803
1953	1,313	739	68	2,120	46,550
1954	1,101	720	70	1,891	41,853
1955	1,075	620	41	1,736	38,703
1956	1,088	559	28	1,675	37,550
1957	1,195	486	71	1,752	38,950
1958	1,047	574	34	1,655	37,255
1959	1,169	606	49	1,824	41,589
1960	939	528	42	1,509	33,619
1961	1,320	761	57	2,138	48,766
1962	1,136	794	68	1,998	44,510
1963	1,276	691	64	2,031	44,664
1964	1,342	862	61	2,265	44,999
1965	1,638	1,052	63	2,753	59,997
1966	1,593	1,195	44	2,832	59,937
1967	1,578	1,277	45	2,900	59,084
1968	1,644	1,342	81	3,067	61,996
1969	1,370	1,542	51	2,963	62,025

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Fox												
Blue.....	56	57	83	94	97	57	48	46	96	84	95	71
Cross.....	1	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....
Pearl Platinum.....	119	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Platinum.....	105	186	232	280	367	355	270	256	241	263	261	255
*Other Fox.....	7	12	13	14	9	.....	.....	7	6	2	5	10
* Silver.....	166	150	178	292	212	130	123	106	110	140	177	162
White Marked.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Fox.....	460	405	506	680	685	543	442	415	453	489	538	498
Mink.....	109,936	119,299	130,294	142,600	154,626	164,901	178,814	188,005	204,073	219,124	234,369	208,264
Beaver.....	1	1	1	1	1	.....	2	.....	.....	.....	.....	.....
Fisher.....	12	8	2	2	1	.....	4	4	4	3	.....	.....
Lynx.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marten.....	85	76	89	96	97	78	33	33	15	23	8	9
Muskrat.....	54	47	.....	.....	.....	.....	10	52	.....	.....	.....	.....
Raccoon.....	43	33	24	22	20	13	8	2	1	.....	.....	.....
Skunk.....	5	3	3	3	3	4	2	1	1	.....	.....	.....
No. OF FARMS.....	514	507	495	495	508	500	505	499	494	491	477	417

*Includes Standard and White Marked.

**Includes Cross, Red and White

GAME BIRD HUNTING PRESERVES in year ending March 31, 1969

PHEASANTS

Districts	No. of Pre- serves	No. of Hunters	Birds Purchased	Birds Released	Birds Harvested	Stock on Hand
Lake Erie.....	16	2,083	14,494	13,986	10,949	545
Lake Huron.....	4	345	1,423	1,884	1,317	...
Lake Simcoe.....	4	1,455	6,566	5,307	3,448	60
Lindsay.....	3	522	2,150	2,615	1,695	165
Tweed.....	2	276	4,650	4,650	2,701	...
Kemptville.....	1	24	.....	370	285	140
Sault Ste. Marie.....	1	95	700	700	563	...

Totals.....	31	4,800	29,983	29,512	20,958	910
-------------	----	-------	--------	--------	--------	-----

BOBWHITE QUAIL

Lake Erie.....	..	1,388	586	589	244	...
----------------	----	-------	-----	-----	-----	-----

COMMERCIAL GAME BIRD PROPAGATORS in year ending March 31st, 1969

PHEASANTS

Districts	No. of Farms	Purchases			Sales			Stock on Hand	
		Eggs	Chicks Poult	Adults	Dressed Birds	Eggs	Chicks Poult		
Lake Erie.....	28	315	9,199	10,748	2,381	1,153	47,415	11,820	3,223
Lake Huron.....	33	80	8,462	1,323	.....	486	887	5,442	1,318
Lake Simcoe.....	18	700	4,181	576	11,523	882	1,033	1,383	1,031
Lindsay	7	...	1,750	62	38	...	...	6,051	725
Tweed.....	4	...	4,500	500	1,808	...	637	41	350
Kemptville.....	10	...	200	...	80	...	...	42	270
Parry Sound.....	1	...	...	...	...	...	...	...	24
Totals.....	101	1,095	28,292	13,209	15,830	2,521	49,972	24,779	6,941

BOBWHITE QUAIL

Lake Huron.....	4	...	100	2	...	...	108	29	44
Tweed.....	1	...	...	1,700	...	...	...	...	...
Lake Erie.....	..	...	...	452	...	...	...	314	40
Totals.....	5	...	100	2,154	...	...	108	343	84

HUNTING LICENCES SOLD

Year	DEER			MOOSE			BEAR+			SMALL GAME		
	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	Total
1946	62,913	7,877	70,790	1,694	1,230	2,924	...	783	...	155,309	4,666	...
1947	67,299	11,193	78,492	2,270	1,516	3,786	...	548	...	171,098	3,620	...
1948	73,700	11,300	85,000	3,000	1,700	4,700	...	1,600	...	186,060	3,200	...
1949	76,274	12,050	88,324	*	*	*	...	1,176	...	205,706	3,300	...
1950	84,380	12,440	96,820	*	*	*	...	1,127	...	213,594	5,620	...
1951	89,290	10,400	99,690	1,400	*	1,400	...	1,120	...	240,040	4,960	...
1952	96,790	** 870	97,660	3,620	*	3,620	...	3,060	...	268,444	5,400	...
1953	92,785	8,300	101,085	5,196	637	5,833	...	2,490	...	256,341	3,810	...
1954	92,800	10,400	103,200	7,500	730	8,230	...	1,520	...	284,000	5,300	...
1955	105,150	8,050	113,200	9,000	990	9,990	...	1,750	...	318,000	6,010	...
1956	98,079	7,426	105,505	13,441	1,521	14,962	...	2,031	...	316,778	5,905	...
1957	106,620	6,743	113,363	17,367	1,890	19,257	...	2,703	...	341,838	6,092	...
1958	109,322	6,044	115,366	22,688	2,362	25,050	...	4,803	...	377,589	5,503	...
1959	102,960	5,988	109,948	26,349	3,431	29,780	...	4,089	...	378,666	6,243	...
1960	114,400	6,004	120,404	31,948	4,212	36,160	...	3,828	...	383,205	7,286	...
1961	106,160	5,788	111,948	38,977	5,775	44,752	...	3,607	...	377,047	7,103	...
1962	121,735	5,913	127,648	39,470	6,675	46,145	...	1,922	...	383,150	7,538	...
1963	114,510	6,351	120,861	43,144	7,261	50,405	354	2,038	...	416,019	7,685	...
1964	124,182	6,562	130,744	40,188	7,639	47,827	414	2,208	...	399,521	7,998	...
1965	130,636	7,242	137,878	60,281	10,057	70,338	583	2,697	...	424,806	9,551	...
1966	137,429	8,858	146,287	48,498	12,698	61,196	813	3,960	...	435,202	12,248	...
1967	139,253	9,001	148,254	51,602	12,875	64,477	964	4,924	...	440,378	12,487	...
1968	102,579	7,672	110,251	51,795	14,923	66,718	1,142	8,394	...	384,867	13,281	...

* Closed Season.

**U. S. A. ban on importation of cloven-hoofed animals.

+Includes a few non-resident wolf licences.

TOTAL LICENCES SOLD

Year	ANGLING		HUNTING		
	Resident	Non-Res.	Resident	Non-Res.	Total
1944	.....	89,291	132,376	5,168	137,544
1945	.....	126,367	186,680	9,451	196,131
1946	.....	171,400	219,916	14,556	234,472
1947	.....	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712
1965	12,982	533,154	616,306	29,547	645,853
1966	13,249	571,453	621,942	37,764	659,706
1967	13,566	578,811	632,197	39,287	671,484
1968	83,247	615,611	540,383	44,270	584,653

FISH DISTRIBUTED FROM ONTARIO HATCHERIES IN 1968

Key: E - Eggs EE - Eyed Eggs	HATCHERY	BROOK TROUT	Fy - Fry Fg - Fingerlings LAKE TROUT	RAINBOW TROUT	OTHER SPECIES		
					Yg - Yearlings II - Two Year Olds Ax - Adults		
Chatsworth		11,300 Fg	...	153,000 EE	Splake	...	...
		36,966 Yg	...	12,000 Fg	10,600 Fg	...	...
		6,254 Ax	...	...	...	...	...
Codrington		500 Fg	...	...	...	...	...
		27,100 Yg	...	...	...	...	...
		675 Ax	...	...	...	...	...
Deer Lake		900 Fg	...	...	Maskinonge	...	...
		25,850 Yg	46,650 Yg	86,400 Yg	2,400,000 Fy	26,600 Fg	...
	
Dorion		405,500 Fg	...	5,000 Fg	...	...	...
		46,500 Yg	288,870 Yg	...	...	...	...
		555 II	...	...	...	...	...
Hill Lake		3,430 Ax	...	...	...	...	...
		61,000 Fg	100,000 Fg	40,000 Fg	...	...	...
		125,250 Yg	22,000 Yg	31,500 Yg	...	...	...
Midhurst		13,900 II	...	...	Smallmouth	...	...
		2,217 Ax	...	470 Ax	...	...	...
	
Normandale		10,905 Fg	...	100 Fg	10,000 Fg	...	...
		70,480 Yg	19,700 Yg	17,650 Yg	Largemouth	...	...
		...	...	2,889 II	45 Ax	...	...
North Bay		200,000 EE	...	...	...
		...	...	10,436 Fg	...	...	...
		13,186 Yg	...	59,830 Yg	...	...	...
North Bay		19,407 II	...	...	...
		35,000 Yg	86,000 Yg	9,500 Yg	...	...	...
		12,000 II	...	...	...	...	...
		600 Ax	...	...	...	...	...

Pembroke	33,400 Fg 138,560 Yg	...	...	10,000 Yg	...	...
Port Arthur	...	20,000 Fy 32,840 Fg	...	...	Maskinonge	...
Sandfield	...	...	...	...	40,000 Fy 400 Fg Largemouth 4,000 Fy	Smallmouth 38,200 Fy 8,000 Fg 181 Ax ...
Skeleton Lake	...	...	...	100,000 EE	...	...
	151,499 Yg	108,200 Yg 10,462 II	...	...	...	...
Tarentorus	630 Fg 128,500 Yg 80 II 230 Ax	522,000 Yg ...	...	18,000 Yg	Splake 2,000 Fg 25,626 Yg 984 Ax	...
Westport	...	1,209 Ax	...	...	Yellow Pickerel 55,000,000 EE 12 Ax Northern Pike 303 Ax	Largemouth 56,000 Fy 49,900 Fg 2,000 Yg ...
White Lake	...	...	...	80,000 EE	Yellow Pickerel 6,240,000 EE 189,050 Fy 5,200 Fg	...
	328 Fg 197,750 Yg	176,325 Yg	...	59,300 Yg	...	Kokanee
Warton	...	57,700 Fg	...	...	...	150,000 Fy 58,525 Fg

In addition 35,000 Kokanee swim-up fry were planted from South Bay Fisheries Research Station, and 228,000 Kokanee swim-up fry were planted from Glenora Fisheries Research Station.

DISTRIBUTION OF HATCHERY FISH ----Number of Fish Planted in 000's

SPECIES	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
BASS, Largemouth											
Fry.....	46	45	231	...	55	45	112	81	42	68	60
Fingerling.....	63	46	30	25	112	93	91	108	147	75	50
Yearling and Adult..	1	...	...	...	...	...	...	...	...	...	2
BASS, Smallmouth											
Fry.....	130	89	156	230	147	134	52	58	36	98	38
Fingerling.....	133	227	178	270	177	288	239	231	216	212	91
Yearling and Adult..	5	...	1	1	...	...	...	...	...	...	...
HERRING											
Eyed Egg.....	...	1,068	...	...	...	...	...	...	1,150	7,030	...
Fry.....	...	...	50	...	...	...	...	...	...	2,000	...
KOKANEE											
Eyed Egg.....	...	...	...	...	...	...	...	683	923	310	...
Fry.....	...	...	...	...	...	...	...	1,609	943	385	413
Fingerling.....	...	...	...	...	...	...	...	288	...	211	59
MASKINONGE											
Fry.....	2,940	4,070	3,390	2,833	2,970	1,870	1,530	1,850	1,303	2,650	2,400
Fingerling.....	18	50	51	75	24	27	26	25	...	12	27
Adult.....	1	...	...	...	...	...	...	...	...	...	...
PICKEREL, Yellow											
Eyed Egg.....	56,245	30,875	53,790	27,065	20,500	7,200	14,000	15,600	10,000	13,055	6,240
Fry.....	...	3,040	3,600	...	8,994	11,440	1,353	...	8,232	28,000	189
Fingerling.....	...	...	...	67	201	217	...	56	...	42	5
Adult.....	...	...	...	...	...	...	...	...	...	...	...
SPLAKE											
Egg.....	...	...	...	...	...	...	...	...	...	20	...
Fingerling.....	...	...	...	...	...	...	...	...	...	...	...
Yearling.....	208	135	13	97	112	114	88	21	69	119	36
2 Year.....	...	1	...	6	...	2	12	16	...	10	...
Adult.....	...	...	...	...	...	...	...	...	...	...	1

TROUT, Lake													
Eyed Egg.....	5	...	...	...	...	...	...	20	...	...	50	...	...
Fry.....	...	40	...	44	...	13	...	...	...	12	...	20	...
Fingerling.....	374	274	389	370	240	186	...	...	...	395	328	191	...
Yearling.....	832	634	653	715	989	950	...	982	827	1,336	1,292	1,352	...
2 Years and Up.....	9	...	...	8	1	6	...	1	9	...	13	12	...
TROUT, Rainbow													
Egg.....	...	...	...	...	...	...	...	...	...	...	45	200	...
Eyed Eggs.....	...	...	...	...	...	...	...	...	...	100	631	333	...
Fry.....	...	...	...	...	...	...	...	...	...	...	6	...	...
Fingerling.....	...	...	...	102	60	3	...	141	12	31	88	68	...
Yearling.....	...	...	...	229	291	173	...	319	269	126	148	361	...
2 Years and Up.....	...	...	...	...	9	11	...	15	63	10	43	23	...
TROUT, Brook													
Eyed Egg.....	...	580	49	30	494	575	...	400	674	...	2,741	...	...
Fry.....	...	...	15	...	...	...	...	8	...	...	...	...	...
Fingerling.....	789	455	864	764	651	392	...	506	600	480	1,125	524	...
Yearling.....	2,079	1,807	1,616	2,032	1,655	1,883	...	1,726	1,819	1,599	1,654	1,149	...
2 Years and Up.....	10	84	76	73	75	73	...	112	69	29	93	40	...
MISCELLANEOUS													
Egg.....	26	20	...	...	53	...	...	...	...	...	...	...	...
Eyed Egg.....	30,940	1,000	12,000	13,878	...	...	...	...	...	...	300	...	...
Fry.....	47,525	44,985	62,993	53,685	46,575	46,351	...	27,105	24,030	...	240	...	...
Fingerling.....	37	22	32	1	1	...	...	...	4	...	...	...	...
Yearling.....	220	311	164	6	...	5	...	5	4	...	13	...	...
Adult.....	37	1	1	...	...	...	...	...	...	...	4	...	...
TOTAL.....													
	142,682	89,880	140,342	102,623	84,401	72,042	49,294	48,042	47,024	63,110	13,886		

COMMERCIAL FISHING EQUIPMENT

No. of Licences			No. of Boats		Number of Nets				No. of		No. of		Total Value \$000's	
Year	Gill Nets	Total	No. of Men	40ft. & Over	Under 40 ft.	Gill Nets 000's yds	Pound	Trap*	Hoop	Seine Nets 00's yds	Freez-ers & Ice Houses	No. of Wharves and Piers		No. of Sheds
1947	.....	2,421	4,026	112	2,009	8,858	1,135	...	1,240	178	486	400	...	5,147
1948	.....	.....	3,736	111	1,930	8,981	1,152	...	1,324	167	477	412	...	5,716
1949	1,071	2,675	3,930	123	2,039	9,144	1,182	...	1,411	186	456	395	...	5,988
1950	1,021	2,722	3,886	116	1,966	9,064	1,214	...	1,439	177	477	425	...	6,679
1951	1,063	2,894	3,833	126	1,981	8,944	1,204	...	1,483	159	476	416	...	6,985
1952	1,124	3,115	3,878	196	1,682	9,057	1,127	359	1,564	171	462	474	727	8,328
1953	1,098	3,098	3,807	215	1,538	9,312	1,078	549	1,570	156	493	487	827	8,839
1954	1,045	3,200	3,657	214	1,407	9,248	878	709	1,578	183	482	456	778	9,176
1955	1,066	3,379	3,483	224	1,338	9,304	787	822	1,545	158	442	447	759	9,226
1956	1,032	3,470	3,135	202	1,320	8,719	784	763	1,487	140	426	437	754	8,891
1957	1,038	3,684	3,066	211	1,321	8,618	671	804	1,462	164	412	404	709	8,676
1958	1,100	4,029	3,224	212	1,270	8,898	713	731	1,441	149	464	425	727	9,215
1959	1,117	4,170	3,527	234	1,680	9,718	723	739	1,812	190	564	491	884	10,557
1960	1,089	4,176	3,409	238	1,740	9,523	744	661	1,861	196	558	516	839	10,124
1961	1,063	4,563	3,059	223	1,541	9,293	672	631	1,778	170	521	476	773	10,377
1962	1,060	4,554	2,993	218	1,533	9,344	796	597	1,767	170	525	497	726	9,996
1963	1,075	4,679	3,271	224	1,718	9,200	745	694	1,943	158	511	439	747	10,264
1964	1,088	4,786	2,952	229	1,587	9,110	873	512	1,889 ¹⁵	157	549	493	731	10,131
1965	1,072	4,647	2,544	223	1,660	9,256	866	521	2,002 ¹⁶	168	492	459	681	9,972
966	1,064	5,316	2,445	229	1,419	9,489	764	493	1,820	191	465	431	663	10,327
967	1,033	5,407	2,197	220	1,406	9,810	715	565	2,146	169	434	429	650	10,558
968	1,017	5,472	2,044	217	1,313	8,888	734	552	1,915	226	430	403	651	10,824

*Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in 000's lbs and \$000's

SPECIES	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	Value 1968
Bass, Rock; Crappies...	92	127	119	137	177	206	209	271	249	276	\$ 66
Bass, White.....	1,444	3,305	3,413	2,491	1,991	1,836	2,733	1,805	855	819	277
Bullheads.....	480	467	363	423	740	513	451	348	342	395	71
Carp.....	1,519	1,124	1,312	1,124	1,323	938	872	937	928	987	87
Catfish.....	319	321	244	314	300	287	243	273	250	255	71
Caviar.....	1	2	2	2	1	2	2	1	.....	...	...
Chub; Tullibee.....	1,576	1,865	2,993	2,825	2,329	2,035	1,892	1,265	1,165	681	90
Eels.....	140	130	127	128	175	250	194	150	141	181	45
Gold Eye.....	15	33	24	34	20	28	19	7	11	2	...
Herring; Cisco.....	2,947	2,227	1,853	2,630	2,374	1,993	1,603	1,184	1,935	2,985	178
Ling; Burbot.....	432	614	638	623	615	600	404	343	487	382	5
Menominee, Pilots.....	24	63	22	31	20	70	66	58	41	56	10
Perch.....	19,968	12,774	18,628	21,659	18,725	9,635	19,465	21,151	22,731	24,969	2,107
Pickarel, Blue.....	50	5	2	.....	.....	.....	.....	...	.....	...	...
Yellow Pickerel.....	4,653	3,702	3,382	3,708	5,108	3,678	3,241	3,987	3,238	2,765	1,078
Pike, Northern.....	993	966	990	976	990	1,134	1,099	1,005	952	956	97
Saugers.....	112	85	105	131	136	141	76	59	82	70	14
Sheepshead.....	1,419	1,539	1,201	1,117	1,503	831	996	1,058	666	802	21
Smelt.....	7,059	11,666	13,065	19,314	10,705	12,887	11,917	16,056	12,660	12,490	486
Sturgeon.....	179	184	195	133	132	98	94	86	76	79	104
Suckers.....	1,410	1,616	1,595	1,540	1,650	1,450	1,102	1,306	1,297	1,278	28
Sunfish.....	225	286	271	257	358	358	249	253	359	400	54
Trout, Lake.....	522	286	181	208	254	224	178	174	302	301	131
Whitefish.....	3,183	3,845	3,907	3,640	3,357	3,229	3,236	2,812	2,625	2,906	917
Miscellaneous.....	227	163	323	337	1,359	1,086	2,154	1,754	1,513	1,670	31
TOTAL.....	48,992	47,397	54,954	63,784	54,342	43,510	52,489	56,344	52,905	55,705	\$5,968

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North Channel	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
1946	2,059	18,925	493	954	1,292	290	3,589	4,719	679	33,000	5,597
1947	2,002	12,334	466	1,107	666	267	2,830	4,802	448	24,922	4,803
1948	2,046	14,926	437	1,440	913	445	3,371	4,629	735	28,942	5,735
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607	34,061	5,497
1950	2,219	16,866	469	1,301	2,794	668	2,655	5,229	555	32,756	6,252
1951	2,411	13,114	389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
1952	2,281	17,417	792	1,736	5,359	433	3,127	6,221	678	38,044	7,417
1953	2,059	23,389	983	1,396	6,876	458	2,771	6,080	827	44,839	7,037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	6,080	712	47,679	7,013
1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615	45,636	8,783
1956	2,627	44,682	1,029	1,463	1,113	187	2,145	5,878	593	59,717	7,928
1957	1,997	37,105	1,113	988	664	191	2,797	5,764	493	51,113	7,047
1958	2,098	30,751	907	2,023	407	255	2,871	7,316	544	47,172	7,274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4,866
1960	1,958	29,219	659	3,489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341
1963	2,046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504
1964	2,015	25,381	946	3,018	735	214	2,682	7,938	582	43,510	5,230
1965	2,647	35,096	886	2,286	993	289	2,270	7,584	438	52,489	6,404
1966	1,625	41,426	939	1,958	751	209	1,846	7,010	580	56,344	5,995
1967	1,832	37,770	810	1,744	715	207	2,568	6,625	634	52,905	5,927
1968	2,009	39,415	1,121	1,455	728	247	3,365	6,811	554	55,705	5,968

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Year	Bullhead & Catfish	Carp	Eels	Lake Herring	Lake Trout	Smelt	White- fish	Yellow Pickerei	Other	Total Catch	Total Value
1946	288	197	35	413	102	...	398	45	581	2,059	\$ 317
1947	301	119	33	573	64	...	358	40	514	2,002	312
1948	433	208	40	480	42	...	237	30	575	2,045	290
1949	498	181	46	324	22	...	219	28	678	2,006	258
1950	520	242	29	225	15	...	419	34	735	2,219	309
1951	470	217	48	197	40	...	385	90	963	2,410	424
1952	478	253	65	111	32	225	417	103	597	2,281	393
1953	417	371	57	73	14	282	207	75	563	2,059	284
1954	376	309	78	70	7	265	228	114	467	1,914	268
1955	386	318	68	29	4	238	340	124	436	1,943	313
1956	440	616	50	38	2	269	593	121	498	2,627	429
1957	394	314	100	84	1	177	301	118	508	1,997	328
1958	353	323	129	53	1	295	340	166	406	2,098	406
1959	311	536	136	52	1	208	335	151	321	2,051	393
1960	280	310	128	74	1	188	397	126	454	1,958	355
1961	199	314	125	51	3	223	572	125	497	2,109	397
1962	203	248	125	27	1	202	355	106	483	1,750	331
1963	229	417	169	38	1	171	354	68	599	2,046	348
1964	167	270	246	38	...	128	125	66	975	2,015	285
1965	150	314	189	23	...	202	107	46	1,616	2,647	353
1966	123	302	143	36	...	141	57	44	779	1,625	220
1967	127	392	136	59	...	155	48	26	889	1,832	243
1968	169	412	173	40	...	168	77	22	948	2,009	284

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	1,909	9,525	2,418	.....	.....	.....	1,932	739	2,402	18,925	\$3,089
1947	1,646	2,484	2,252	.....	.....	.....	2,726	793	2,433	12,334	2,676
1948	5,742	603	1,939	.....	.....	.....	3,800	799	2,043	14,926	3,025
1949	9,784	393	2,279	.....	.....	.....	3,620	849	2,168	19,093	2,950
1950	8,611	645	2,166	.....	.....	.....	1,390	1,252	2,802	16,866	3,149
1951	3,914	323	2,758	.....	.....	.....	1,130	1,522	3,497	13,144	2,892
1952	7,267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957	23,389	3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058	28,912	3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896	30,285	3,842
1956	12,002	194	11,573	713	3,694	5,715	542	9,275	974	44,682	5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088	37,105	4,848
1958	824	62	15,410	1,727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857	31,597	2,200
1960	4	6	11,654	1,468	11,467	3,255	21	619	725	29,219	2,060
1961	1	3	17,284	1,116	12,835	3,334	9	269	847	35,698	2,507
1962	.....	2	20,859	1,037	19,108	2,349	10	284	818	44,465	2,353
1963	.....	2	17,963	1,412	10,524	1,855	11	1,875	1,659	35,301	2,530
1964	.....	2	8,351	752	12,735	1,723	3	599	1,216	25,381	2,377
1965	.....	...	18,603	898	11,711	2,611	...	346	927	35,096	3,319
1966	.....	...	20,698	940	15,914	1,757	6	991	1,120	41,426	3,105
1967	.....	...	22,087	494	12,501	822	...	747	1,119	37,770	3,340
1968	.....	...	24,435	651	12,223	751	1	328	1,026	39,415	2,974

Yield of Ontario Fisheries by Species -- LAKE HURON (PROPER) -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Yellow Perch	Sturgeon & Caviar	Suckers	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	89	104	30	336	7	...	158	122	108	954	\$ 151
1947	113	217	7	219	8	...	292	171	80	1,107	211
1948	188	125	10	147	6	...	538	225	201	1,440	348
1949	207	135	3	231	8	...	243	205	228	1,260	246
1950	129	128	.....	359	8	...	226	240	123	1,213	238
1951	109	116	.....	431	8	...	225	254	164	1,307	318
1952	88	107	.....	362	6	...	284	218	55	1,204	267
1953	280	71	.....	496	5	50	180	307	52	1,441	277
1954	454	44	.....	329	7	77	271	231	79	1,492	326
1955	417	54	.....	323	6	111	258	211	89	1,469	324
1956	461	39	.....	155	11	86	216	333	162	1,463	287
1957	321	20	.....	65	46	61	89	266	120	988	290
1958	624	19	.....	719	26	70	156	245	164	2,023	433
1959	1,082	13	.....	236	12	75	229	331	225	2,203	514
1960	1,302	17	.....	859	6	65	827	230	183	3,489	908
1961	2,342	17	.....	1,072	9	193	812	217	97	4,759	1,204
1962	2,180	25	.....	583	7	73	349	263	95	3,575	802
1963	1,669	8	1	539	6	77	269	225	154	2,948	651
1964	1,442	9	1	602	6	98	320	286	254	3,018	711
1965	1,083	13	1	167	4	62	407	245	304	2,286	627
1966	653	4	.....	152	3	96	348	218	484	1,958	466
1967	527	5	2	149	4	141	381	185	350	1,744	464
1968	263	5	4	71	6	121	356	325	303	1,454	509

Yield of Ontario Fisheries by Species -- **GEORGIAN BAY** -- in 000's lbs and \$000's

Year	Carp	Chub	Lake Herring	Lake Trout	Northern Pike	Sturgeon	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	46	25	21	696	25	1	246	44	188	1,292	\$ 332
1947	21	41	15	368	7	...	87	21	126	666	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	1	805	206	66	1,563	465
1950	35	72	63	351	12	1	2,189	133	56	2,912	800
1951	35	74	26	480	8	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	1	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	60	4,317	1,450
1955	110	64	12	67	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	5	670	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	90	29	32	362	98
1959	22	3	3	1	6	3	49	62	52	201	61
1960	37	29	2	1	4	2	57	40	47	219	61
1961	13	31	1	1	6	1	96	33	19	201	61
1962	21	82	1	.....	10	2	130	61	41	348	95
1963	66	104	1	.....	12	2	207	99	64	555	164
1964	24	121	2	.....	11	3	232	93	249	735	190
1965	10	409	2	.....	11	2	171	72	316	993	234
1966	21	286	3	.....	7	1	157	41	235	751	171
1967	38	227	5	.....	16	2	148	61	218	715	167
1968	21	180	17	.....	11	...	286	61	152	728	222

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Menominee	Sauger	Sturgeon	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	33	1,511	1,531	...	...	2	275	120	117	3,589	\$ 639
1947	33	1,017	1,286	...	...	1	246	155	92	2,830	503
1948	30	1,295	1,447	...	...	1	306	116	176	3,371	675
1949	12	1,255	1,356	...	...	1	277	125	162	3,188	561
1950	29	505	1,506	...	...	1	341	145	128	2,655	626
1951	45	763	1,273	...	...	2	341	200	227	2,851	641
1952	94	993	1,389	16	124	2	268	163	78	3,127	661
1953	88	745	1,371	8	38	4	282	158	77	2,771	590
1954	91	920	1,266	6	72	5	328	135	67	2,890	565
1955	312	708	1,003	6	49	6	254	130	72	2,540	523
1956	112	821	527	12	69	3	303	186	112	2,145	389
1957	148	1,696	324	12	57	6	285	217	52	2,797	344
1958	125	1,744	366	11	100	6	287	164	68	2,871	376
1959	117	2,833	238	17	68	5	210	271	91	3,850	377
1960	103	2,117	122	54	19	11	99	249	54	2,828	270
1961	81	1,777	48	7	38	8	119	227	48	2,353	214
1962	69	2,570	70	10	52	3	148	174	50	3,146	239
1963	81	2,319	112	11	63	2	161	167	57	2,973	271
1964	42	1,935	106	56	59	1	133	216	134	2,682	249
1965	63	1,553	102	18	18	2	135	291	88	2,270	283
1966	12	1,135	108	8	8	2	134	377	62	1,846	327
1967	8	1,854	202	6	22	3	150	274	49	2,568	351
1968	5	2,649	193	21	17	2	212	119	147	3,365	403

Yield of Ontario Fisheries by Species -- NORTHERN INLAND -- in 000's lbs and \$000's

Year	Goldeye	Lake Trout	Northern Pike	Sauger	Sturgeon & Caviar	Tullibee	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	...	148	744	..	146	162	1,417	1,621	481	4,719	\$ 896
1947	...	151	898	11	136	138	1,156	1,888	624	4,802	777
1948	28	144	806	6	145	139	1,268	1,636	457	4,629	905
1949	50	94	909	..	139	169	1,627	1,706	560	5,254	764
1950	84	106	784	..	122	170	1,738	1,597	628	5,229	881
1951	114	110	915	28	99	210	1,733	1,801	718	5,728	1,035
1952	102	172	965	31	137	241	1,759	1,847	967	6,221	1,072
1953	34	133	831	48	105	329	1,604	1,606	1,390	6,080	795
1954	87	120	1,008	37	81	243	1,674	1,568	1,262	6,080	789
1955	6	110	824	44	71	192	1,497	1,437	1,446	5,637	732
1956	84	62	773	46	71	274	1,643	1,593	1,332	5,878	823
1957	31	153	820	29	83	184	1,658	1,572	1,234	5,764	815
1958	22	244	923	58	149	411	1,855	2,048	1,606	7,316	1,039
1959	15	282	923	40	114	373	2,203	2,323	1,344	7,617	1,090
1960	33	161	878	58	121	430	2,409	2,258	1,886	8,234	1,035
1961	24	129	842	61	119	539	2,180	2,262	1,810	7,966	1,019
1962	34	137	850	78	80	494	2,544	2,539	1,816	8,572	1,171
1963	20	140	887	72	81	475	2,320	2,315	2,130	8,440	1,170
1964	28	117	1,033	78	58	430	2,324	2,047	1,823	7,938	1,047
1965	19	74	1,029	58	55	336	2,378	1,954	1,681	7,584	1,230
1966	7	66	935	51	44	315	1,976	2,048	1,568	7,010	1,314
1967	11	98	863	57	25	402	1,785	1,739	1,645	6,625	1,002
1968	2	103	863	51	32	232	1,861	1,666	2,001	6,811	1,136

PROSECUTIONS in years ending March 31st

Year	Seiz- ures	Public Sales	*Total Sales	Convic- tions	Collected Costs	Fines
1947	1,844	\$.....	\$37,202	2,040	\$1,216	\$44,267
1948	.....	4,700	.....	2,880	.....	.....
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872	.....	23,633	2,880	1,387	50,460
1954	2,975	.....	25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236	.....	48,442
1966	2,581	9,604	23,392	2,347	1,042	53,127
1967	2,942	11,235	26,264	2,626	.....	60,658
1968	3,404	13,261	30,599	3,239	1,274	81,420
1969	3,557	19,574	35,879	3,489	**	**

*Includes Redemptions.

**Reported directly to the Department of Justice from 1969.

NEW POLICIES

[illegible]

FOREST PROTECTION BRANCH

The first forest protection legislation was placed in the Ontario Statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire". This Act led to the establishment in 1885 of Ontario's first system of fire ranging. This became the first working system of organized forest fire protection in North America.

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the "father of forest protection". His extensive report on forest fire losses on March 30th, 1885, resulted in the establishment of the forest protection system under the Woods and Forests Branch in 1885.

Under this system fire rangers were appointed and placed on licensed Crown Lands with the expenses shared by the Crown and Licensees. In the annual report for 1886, Mr. White stated: "Last year was the first year of an experiment which was found to work in a satisfactory manner to the Department as well as to the licensees .. the net expense to the province was under \$8,000. Mr. White asked for \$8,000. for his new budget.

In 1900 the Act was amended to provide for placing fire rangers on unlicensed Crown Lands at public expense. The amendment also required the appointment of fire rangers on licensed areas whether requested by the licensee or not, one half of the costs to be borne by the Department and one half by the licensee. This was a major step in that all Crown Lands became subject to forest fire regulations.

In 1910 Licensees were assessed full costs of fire ranging on limits. The Crown Timber Act of 1917 established the fire tax, an annual per-acre protection charge on Crown Lands.

Following disastrous fires in 1916, The Forest Fires Prevention Act was amended in 1917 to provide greater control over the use of fire and became the basis of present legislation.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position filled by E.J. Zavitz. In 1924, the Provincial Air Service was established.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively.

T.E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957.

J.M. Whalen was appointed Chief on June 14, 1963.

W.T. Foster was appointed Chief on November 20, 1967.

FOREST PROTECTION BRANCH

Chief: W. T. FOSTER

FOREST PROTECTION SECTION

Supervisor: W.G. Cleaveley

Fire Prevention and Control
Forest Insects and Disease
Communications System

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T.C. Cooke

Aircraft Operation
Aircraft Maintenance
Selection and Development of Equipment

ENGINEERING SERVICES SECTION

Supervisor: S.B. Panting

Engineering, construction and maintenance
of forest access roads, dams, docks, locks,
headquarters buildings and other facilities
Standards, specifications and maintenance
of equipment
Fleet Management
Sign Program

FOREST PROTECTION SECTION

Beginning in 1885 there has been a long record of achievement in forest protection.

In 1917 the process of mechanizing fire control began with the acquisition of four portable fire pumps. A new era in fire detection started with the erection of a number of steel lookout towers in 1922. This same year, aircraft were also used for the first time specifically for detection of fires and transportation of fire fighters.

The first organized radio communication was established in 1927 in the Red Lake area following earlier experimental use at Sudbury in 1924. In 1935 V. H. F. radio equipment was installed in towers. In 1939 several aircraft were fitted with radio. By 1949 the province-wide network was completed with the "key" station at Maple.

The first aircraft water bombing experiments were carried out in 1944 followed by subsequent improvements in 1945, 1950, 1957 and 1966 advancing the technique to its present important application in fire control.

A helicopter was used in 1946 for the first time for forest protection purposes; by 1953 helicopters were in regular use.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

The bad fire years of 1955 and 1961 resulted in modern large scale attack on fires featuring careful co-ordination over wide areas, high mobility of resources and extensive use of aircraft.

In 1962 a comprehensive new fire control training program was established in Ontario, setting new standards in fire fighting efficiency.

Starting in 1964, special Indian Fire fighting crews were organized, trained and stationed at strategic centers.

Experiments in the use of infrared and other electronic fire detection methods were initiated in 1962. In August, 1966, the first actual forest fire was detected by an infrared aerial scanner mounted on a Turbo-Beaver aircraft.

The Forest Protection Section administers forest fire control, pest control and the Department's communications and plant and equipment programmes.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

ESTIMATED FIRE DAMAGE

Year	TIMBER DAMAGE (000's Cu. Ft.)			TIMBER DAMAGE (Crown Dues, Only)			DAMAGE TO REPRODUCTION			TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total		
1951	29,401	188	29,590	\$294,015	\$1,880	\$295,895	\$92,431	\$1,121	\$93,552	\$389,447	\$56,389
1952	1,401	577	1,978	14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,671,857	5,870	2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,868,133	2,118	2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	680	42	722	13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960	21,293	123	21,416	425,860	2,470	428,330	8,357	1,427	9,784	438,094	56,442
1961	1,595,447	750	1,596,196	31,908,935	14,993	31,923,928	62,187	3,687	65,874	31,989,802	152,638
1962	2,440	83	2,523	48,794	1,669	50,462	10,740	13,546	24,285	74,748	99,165
1963	14,907	194	15,101	.....	.....	484,334	.....	.....	222,555	706,888	39,932
1964	10,052	279	10,330	.....	.....	351,130	.....	.....	149,166	500,296	19,792
1965	.....	.....	2,158	.....	.....	235,325	.....	.....	151,525	386,850	254,105
1966	891	15	906	34,221	561	34,782	.....	.....	36,739	71,521	49,457
1967	.....	...	19,400	.....	...	658,209	.....	.....	608,072	1,353,919	87,638
1968	.....	...	273	.....	...	9,124	.....	.....	40,848	4,174	54,146

FOREST FIRE SUMMARY

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1917	.....	.....	384,164	1,110	346
1918	.....	.....	30,172	965	31
1919	.....	.....	922,161	1,780	518
1920	.....	.....	358,851	1,287	279
1921	.....	.....	749,534	1,269	591
1922	.....	.....	346,193	1,021	339
1923	.....	.....	2,120,148	1,343	1,579
1924	.....	.....	146,017	851	171
1925	.....	.....	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965	14,995	4,909	19,904	1,218	16

FOREST FIRE SUMMARY (Continued)

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1966	8,453	5,962	14,415	1,921	6
1967	58,733	4,769	63,502	1,465	43
1968	2,665	6,796	9,461	1,219	8
1969*	4,544	1,591	6,135	900	6

1969 SUMMARY*

FOREST DISTRICT	Total Acres	Number Of Fires	Acres Per Fire
Chapleau.....	10	29	...
Cochrane.....	49	13	4
Fort Frances.....	616	29	21
Geraldton.....	235	29	8
Kapuskasing.....	24	16	1
Kemptville.....	9	13	1
Kenora.....	130	57	2
Lake Erie.....	...	...	...
Lake Huron.....	48	6	8
Lake Simcoe.....	9	13	1
Lindsay.....	43	54	1
North Bay.....	276	58	5
Parry Sound.....	136	83	2
Pembroke.....	328	64	5
Port Arthur.....	3,080	58	53
Sault Ste. Marie.....	103	59	2
Sioux Lookout.....	54	24	2
Sudbury.....	745	162	5
Swastika.....	51	27	2
Tweed.....	167	81	2
White River.....	22	25	1
Totals	6,135	900	6

MONTHS

March.....	...	...	...
April.....	946	127	7
May.....	4,727	221	21
June.....	140	84	2
July.....	61	143	1
August.....	168	225	1
September.....	75	82	1
October.....	18	18	1
November.....	...	...	...

*Preliminary Report to December 1, 1969.

CAUSES OF FOREST FIRES

GENERAL CAUSES	1965	1966	1967	1968	1969*
Recreation.....	404	719	567	356	262
Resident.....	204	223	203	262	131
Incendiary.....	15	18	23	32	9
Railways.....	118	117	176	141	84
Industry (Forest).....	20	15	10	18	3
Industry (Other).....	54	73	38	44	24
Miscellaneous (Known).....	191	205	236	270	176
Unknown.....	10	12	14	17	9
Lightning.....	202	539	198	79	202
TOTAL, Fires.....	1,218	1,921	1,465	1,219	900

SOURCE OF IGNITION

CAUSE OF FOREST FIRE	1964	1965	1966	1967	1968
Smoking Material	476	329	510	442	325
Camp Fire.....	246	149	302	219	117
Matches.....	110	117	153	120	127
Fireworks.....	18	55	35	31	25
Explosives.....	..	2	2	2	1
Fusee.....	8	5	6	13	2
Prescribed Burning....	4	..	2	9	..
Dump Live Ashes, Coals	5	..	2	3	8
Burning Grass.....	50	45	33	47	76
Burning Brush.....	47	29	42	26	42
Burning Rubbish.....	60	52	46	56	70
Burning Garbage Dump..	33	34	48	31	49
Burning Bulld'zd Pile..	4	5	4	5	7
Burning Sawdust Pile..	1	2	4	3	..
Burning Ties.....	3	2	6	8	..
Burning Right of Way..	17	9	11	5	15
Locomotive, Diesel....	14	29	14	61	33
Locomotive, Steam.....	..	..	..	1	..
Brake Shoe.....	8	40	56	59	72
Hot Box.....	1	..	..	1	3
Power Saw.....	2	3	4	5	1
Mechanical Equipment..	13	14	16	11	12
Power Line (Short)....	29	21	10	10	26
Sparks from Chimney...	9	7	2	11	6
Sparks from Burner....	3	7	2	5	3
Structural Fire.....	26	18	29	16	29
Miscellaneous (Known).....	..	8	15	20	27
Unknown.....	51	34	28	47	64
Lightning.....	591	202	539	198	79

TOTAL, Fires..... 1,829 1,218 1,921 1,465 1,219

*Preliminary Report to December 1, 1969.

CAUSES OF FOREST FIRES

RESPONSIBLE GROUPS	1964	1965	1966	1967	1968
RECREATION					
Fisherman.....	221	164	256	205	120
Hunter.....	81	10	40	47	17
Canoeist.....	16	6	4	5	8
Camper.....	58	27	77	49	30
Picnicker.....	20	21	21	14	9
Berry Picker.....	50	40	107	82	21
TRAVELLER					
Car Passenger.....	92	75	125	117	124
Hiker.....	53	32	52	40	29
Train Passenger.....	26	2	23	1	2
Guided Party.....	4	..	..	2	..
RESIDENT					
Farmer.....	45	22	29	24	50
Rural Resident.....	97	99	71	115	129
Urban Resident.....	12	24	17	24	12
Private Cottager.....	63	34	47	39	46
Resort Owner.....	11	2	9	4	9
Indian (on Reserve)..	13	9	9	11	14
VOCATION					
Trapper.....	1	1	..	2	5
Prospector.....	1	5	1	3	2
Timber Cruiser.....	..	..	..	..	..
Land Survey Party....	1	2	2	1	..
Military.....	2	..	1	..	1
EMPLOYEE OF:-					
Woods Industry.....	19	18	14	14	18
Mining.....	1	7	8	1	6
Pipeline.....	1	..	1	..	..
Hydro.....	37	17	21	4	6
Telephone.....	1	3	..	..	1
Highway or Road.....	6	7	3	5	8
R.R. Section Crew....	21	12	11	15	16
R.R. Train Crew.....	31	80	62	131	115
R.R. Work Crew.....	5	12	10	12	5
Other Industry.....	11	6	12	15	11
Lands and Forests....	1	1	3	1	1
Other Prov. Govt.....	1	1	..	..	..
Federal Government...	1	..	2	..	1
Municipality.....	14	7	11	7	5
MISCELLANEOUS					
Children.....	121	198	212	156	164
Youth Groups.....	15	8	2	8	10
Miscellaneous (Known)	..	11	24	28	49
Unknown.....	85	53	95	85	96
TOTAL, Man-Caused Fires	1,238	1,016	1,382	1,267	1,140
Percentage of All Fires	68	83	72	87	94

DETECTION OF FOREST FIRES

MEANS OF DETECTION	1965	1966	1967	1968	1969*
Lands & Forests Towers..	417	560	354	275	195
Outside Agency Tower....	..	2	2	..	2
Lands & Forests Aircraft	66	189	161	53	100
Commercial Aircraft.....	46	123	65	19	29
Private Aircraft.....	3	13	17	6	9
Lands & Forests Personnel	67	96	93	93	44
Other Prov.Govt. Employees	35	68	44	35	41
Public.....	584	872	729	738	480
TOTAL, Fires.....	1,218	1,921	1,465	1,219	900

SIZES OF FOREST FIRES

AREA BURNED OVER	1965	1966	1967	1968	1969*
Up to 1/4.....Acres	572	998	630	481	472
Over 1/4 to 10.....Acres	560	834	712	602	385
Over 10 to 100.....Acres	70	70	99	118	35
Over 100 to 500.....Acres	13	14	16	17	6
Over 500.....Acres	3	5	8	1	2
TOTAL, Fires.....	1,218	1,921	1,465	1,219	900

PROSECUTIONS	1965	1966	1967	1968	1969*
Prosecutions.....	37	28	31	41	34
Convictions.....	34	26	27	36	29

*Preliminary Report to December 1, 1969.

REPORT OF MAJOR EQUIPMENT as of March 31st, 1969

LOCATION	Portable Pumps	Fire Hose 00's	Blank- ets	Tents	Sleep- ing Bags	Bin- ocu- lars	Canoes	Boats Not Mtr.	In- bd.	Out Board Motors	Motor Vehi- cles	Trail- ers	Trac- tors	Railway Mtr. Cars	*S	*V	*B
DISTRICTS																	
Chapleau.....	55	308	1,506	150	59	30	66	20	...	41	39	15	8	2	5	2	...
Cochrane.....	50	321	1,241	152	34	37	46	15	3	54	38	17	5	7	5	...	...
Ft. Frances.....	37	230	1,078	103	121	24	33	33	3	41	28	14	4	...	7	...	...
Geraldton.....	64	356	1,525	178	72	29	40	22	3	44	48	13	7	4	6	...	...
Kapuskasing.....	40	198	1,372	126	33	34	42	11	...	35	37	16	7	6	9	...	...
Kemptville.....	16	242	356	8	27	23	3	29	...	25	36	30	18	...	7	...	...
Kenora.....	60	300	1,791	129	130	25	44	38	2	46	48	22	13	...	7	...	...
Lake Erie.....	12	131	299	1	8	39	2	24	6	26	58	23	13	...	...	...	...
Lake Huron.....	18	168	437	6	7	27	7	20	1	20	56	32	12	...	3	...	...
Lake Simcoe.....	31	382	517	322	9	13	43	6	31	1	32	65	27	33	...	10	...
Lindsay.....	50	321	1,212	599	40	51	33	26	42	...	54	38	22	...	9	...	3
North Bay.....	49	252	1,308	115	97	33	66	45	1	55	50	12	4	...	11	...	...
Parry Sound.....	39	368	1,006	69	100	32	45	52	3	59	55	26	6	...	10	...	...
Pembroke.....	45	381	1,262	158	170	21	63	45	...	50	58	18	10	4	1	...	...
Port Arthur.....	73	450	2,417	186	152	38	61	31	...	52	55	15	11	...	4	...	1
S.S. Marie.....	58	543	2,531	155	114	22	42	20	4	39	49	22	11	...	10	...	2
Sioux Lookout...	73	407	2,109	228	139	19	55	27	1	73	38	11	3	...	6	...	...
Sudbury.....	89	411	2,439	162	96	50	70	37	2	64	70	23	11	2	13	...	...
Swastika.....	48	248	1,151	97	139	26	33	26	...	32	39	22	8	...	3	...	...
Tweed.....	38	324	879	60	44	48	13	47	2	59	56	24	4	...	10	...	...
White River.....	52	313	1,399	136	118	18	60	23	1	38	41	19	6	4	4	...	...
Northwestern...	63	367	1,744	105	828	...	2	...	...	...	...	...	...	...	...	...	...
Northeastern...	46	338	994	166	6	...	3	...	...	...	1	...	...	...	...	...	...
Southern.....	.....	.....	.....	1	6	...	...	...	...	...	1	...	...	...	...	...	...
O.F.T.S.**.....	8	35	159	2	...	3	25	3	...	7	4	4	4	...	1	...	...
Head Office***	8	.....	32	153	411	50	47	37	...	72	52	22	12	...	10	...	...
TOTALS.....	1,122	7,394	30,764	2,695	2,975	704	900	678	33	1,018	1,083	465	232	29	151	2	6

*S-Snowmobiles, V-Velocipedes, B-Barges and Scows.

**Ontario Forest Technical School.

***Includes Research Branch and Air Service Section.

MAJOR EQUIPMENT As of March 31st

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Portable Power Pumps	1,255	1,396	1,271	1,225	1,201	1,145	1,117	1,053	1,115	1,080	1,128	1,122
Portable Hand Pumps.	8,712	8,336	8,344	8,237	7,977	8,159	7,873	7,865	7,568	7,560	8,651	7,394
Hose (000's Feet)...	3,890	3,551	3,712	3,664	3,483	3,230	3,424	3,212	3,517	3,389	3,467	3,076
Tents.....	2,438	2,488	2,391	2,433	2,618	2,542	2,618	2,502	2,510	2,552	2,619	2,695
Sleeping Bags.....	1,597	1,671	1,739	1,750	1,780	1,828	1,764	1,876	1,705	1,811	2,650	2,975
Blankets.....	29,505	29,024	30,540	31,946	33,756	36,075	37,033	38,071	39,896	36,978	37,079	36,221
Binoculars.....	615	647	659	661	668	691	676	718	813	779	708	704
Canoes.....	1,052	1,005	954	930	922	868	859	816	878	897	917	900
Boats (Outboard)....	493	519	534	538	568	570	584	652	584	671	673	678
Motors (Outboard)....	800	785	809	807	834	837	841	884	910	983	1,005	1,018
Boats (Inboard).....	59	48	44	42	31	40	38	33	38	32	32	33
Barges and Scows....	6	7	6	9	6	5	5	6	3	3	2	6
Trucks and Autos....	861	918	905	945	949	967	988	979	1,006	1,070	1,025	1,083
Trailers.....	205	249	263	277	282	302	305	325	346	376	392	465
Tractors.....	312	186	184	194	198	214	211	216	181	210	228	232
Railway Motor Cars..	44	44	42	41	42	38	36	35	31	27	31	29
Velocipedes.....	24	22	20	18	16	16	14	13	4	1	....	2
Snowmobiles.....	14	10	13	14	16	22	29	40	43	79	124	151
Radio Sets, Stations	1,047	1,140	1,294	1,564	1,846	1,885	2,134	2,247	2,400	2,605	2,705	2,804
Steel Towers.....	302	308	315	318	323	323	323	323	323	323	323	323

NEW POLICIES

[illegible]

AIR SERVICE SECTION

In 1924 the Air Service was formed with the purchase of twenty HS2L flying boats. W. Roy Maxwell was appointed first director. Bases and fuel caches were established at strategic points. A total of 2500 hours were flown the first year.

The more important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. The success of these aircraft in Ontario has led to their world-wide acceptance.

In spite of difficult flying conditions, only 26 aircraft have been written off. The last flying fatality occurred in May, 1952. There have been a total of 24 fatalities involving Air Service operations.

In recent years aircraft have been lost in service at Geraldton in 1950; Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; Ear Falls in 1959 and Kenora in 1961.

Development of aerial water bombing equipment has been carried out since 1944. The latest system is contained within the aircraft floats and incorporates a variable load feature and provision for mixing gelgard, a chemical water thickener. This system has been installed on six Otters, 27 Turbo Beavers and one Twin Otter in 1968.

In 1965 an aircraft modernization programme was initiated with the purchase of six new Turbo-Beavers. A total of twenty-eight have been acquired, replacing standard Beavers which have been sold. Three Twin Otters and one Model 60 Beechcraft Duke have been acquired.

The Section currently operates and maintains this fleet of aircraft to meet flying requirement of the Department and special needs of other Government Departments.

Air Service Summary -- HOURS FLOWN in years ending March 31st

YEAR	Fire Ranging	Timber	Fish and Wildlife	Surveys	Lands	Parks	*Research	Inter-Dept.	Photo	Mercy Flights	Miscellaneous	TOTAL
1924-1949	88,732	4,182	2,985	...	...	...	1,030	...	1,415	361	75,674	174,378:35
1950	6,925	605	1,645	...	110	...	...	278	...	...	3,968	13,530:45
1951	4,210	938	2,029	...	283	...	303	232	...	64	2,998	11,057:10
1952	5,498	903	2,086	...	153	...	360	188	273	168	3,171	12,800:20
1953	5,278	674	1,980	97	149	...	266	150	280	56	2,959	11,888:50
1954	6,302	982	1,972	124	376	...	386	574	186	53	2,609	12,564:10
1955	5,095	1,048	2,362	181	246	...	284	398	244	34	2,497	12,388:30
1956	11,396	835	2,333	128	181	...	192	458	130	55	2,077	17,785:10
1957	5,347	986	2,289	72	180	...	199	384	148	34	2,053	11,692:20
1958	5,652	801	2,837	23	190	...	212	327	24	44	2,086	12,506:20
1959	4,275	876	3,615	15	200	272	189	421	...	39	2,376	12,277:35
1960	4,053	883	3,569	11	209	345	228	475	...	42	2,169	11,984:00
1961	4,914	965	3,455	4	267	255	200	470	...	72	1,967	12,568:30
1962	7,130	799	3,628	...	260	266	170	370	...	33	1,830	14,485:45
1963	4,169	923	3,862	...	230	386	201	454	...	20	2,297	12,541:45
1964	5,837	1,125	3,876	8	301	476	205	560	...	24	2,389	14,801:00
1965	4,467	1,267	3,579	...	271	347	239	350	...	25	2,702	13,247:15
1966	3,243	1,088	3,443	...	418	282	255	396	...	22	3,603	12,750:00
1967	4,148	1,267	3,762	...	470	298	364	562	...	25	3,857	14,752:40
1968	4,250	1,219	4,076	...	459	568	322	622	...	17	4,272	15,805:10
1969	2,095	1,335	3,988	...	544	571	454	896	...	13	4,560	14,456:05
Total:	193,016	23,701	63,371	663	5,497	4,376	6,059	8,565	2,700	1,201	132,113	441,261:55

*Research Includes Entomology.

Hours Flown by **HELICOPTERS** (Leased and Contract)
in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,098:50
1966	937	142	136	193	1,408:50
1967	1,643	102	154	295	2,193:40
1968	1,205	163	261	485	2,114:30
1969	620	343	289	650	1,902:15

Hours Flown by **COMMERCIAL AIRCRAFT** (Leased)
in years ending March 31st.

1967	1,565	22	200	127	1,913.40
1968	3,331	50	430	162	3,973:10
1969	1,251	51	151	129	1,582:15

AIR SERVICE SUMMARY

in years ending March 31st

YEAR	Mercy Flights	Passengers Carried	Flight Crew	Effective Loads Carried	
				Tons	Pounds
1924- 1949	..	165,583	89,206	27,233	1,067
1950	..	30,687	5,918	3,982	76
1951	..	27,140	5,140	3,366	1,111
1952	..	30,439	5,410	3,663	1,616
1953	..	25,900	5,346	3,078	1,262
1954	..	31,109	7,245	3,918	605
1955	..	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4,871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
1966	15	28,409	4,983	4,998	507
1967	17	31,013	5,689	6,600	64
1968	15	32,388	6,376	8,736	1,856
1969	13	32,062	6,154	5,713	1,706
Total	..	776,540	199,486	128,222	2,279

PILOTS' FLYING TIME March 31st, 1969

PILOTS		1924-68	1968-69	TOTAL
Allen	D.W.	5,358:15	79:20	5,437:35
Ayers	N.	579:50	440:45	1,020:35
Ballantyne	D.E.	3,778:00	108:20	3,886:20
Beaushene	G.D.	6,115:20	295:15	6,410:35
Bieck	A.H.	3,980:55	364:45	4,345:40
Bracken	P.G.	.....	273:45	273:45
Burt	A.E.	10,384:30	335:25	10,719:55
Calver	D.R.	5,399:45	320:35	5,720:20
Campbell	G.E.	8,012:05	555:00	8,567:05
Colfer	A.P.	10,381:25	517:40	10,899:05
Cooke	T.C.	8,927:45	129:55	9,057:40
Cram	W.W.	3,102:25	397:55	3,500:20
Croal	D.M.	4,838:55	545:05	5,384:00
Denley	J.G.	9,202:30	200:10	9,402:40
Elliott	D.J.	.....	233:50	233:50
Evans	F.B.	6,415:20	259:55	6,675:15
Good	S.D.	920:25	206:50	1,127:15
Glennie	N.A.	4,893:40	225:55	5,119:35
Hoar	H.S.	4,254:00	167:35	4,421:35
Hoeberg	P.S.	6,005:30	489:30	6,495:00
Howe	F.R.	1,281:00	379:30	1,660:30
Kachanovsky	J.	605:25	339:40	945:05
Kirk	C.J.	6,437:50	281:55	6,719:45
Lamont	J.A.	5,775:40	260:25	6,036:05
Lefevre	C.J.	11,378:55	194:50	11,573:45
Lowe	B.	3,194:35	278:55	3,473:30
Magill	J.B.	469:20	396:20	865:40
McLellan	D.	521:35	496:20	1,017:55
McLeod	A.K.	1,597:00	497:10	2,094:10
McNabb	D.D.	1,458:45	414:05	1,872:50
North	D.H.	3,207:00	198:20	3,405:20
Nyman	R.V.	445:30	542:00	987:30
Parsons	R.	8,919:10	262:10	9,181:20
Phillips	T.R.	.....	269:40	269:40
Siegel	J.	7,181:50	207:15	7,389:05
Speight	H.C.	10,897:00	448:20	11,345:20
Taylor	J.M.	3,850:15	51:25	3,901:40
Swant	F.D.	.....	429:55	429:55
Thompson	F.J.	5,059:30	211:35	5,271:05
Turcotte	L.J.	3,666:40	435:20	4,102:00
VanKoevering	J.	.....	92:00	92:00
Warner	W.K.	507:10	526:35	1,033:45
Weisflock	E.J.	1,821:25	657:20	2,478:45
Other Pilots		246,890:45	437:30	247,310:15
TOTAL HOURS		427,716:55	14,456:05	442,173:00

AIR SERVICE BASE OPENING DATES (or First Float Flying)

*Year Round Base

BASE

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
*Algonquin Park...	23 April	5 May	2 May	4 May	3 May	24 April	7 May	15 May	.....	.....	.....	.....
*Carey Lake.....	9 May	12 May	23 May	10 May	13 May	9 May	13 May	13 May	25 May	23 May	17 May	21 May
*Armstrong.....	15 May	15 May	22 May	24 May	25 May	20 May	11 May	17 May	26 May	30 May	30 May	13 May
*Chapleau.....	24 April	4 May	11 May	24 April	1 May	29 April	1 May	7 May	1 April	2 May	27 April	11 April
*Fort Frances....	18 April	28 April	4 May	1 May	1 May	25 April	4 May	4 May	6 May	24 April	22 April	28 April
*Geraldton.....	5 May	10 May	18 May	11 May	16 May	7 May	7 May	11 May	1 April	16 May	13 May	20 May
*Gosama.....	28 April	6 May	5 May	10 May	7 May	1 May	1 May	7 May	16 July	3 May	6 May	8 May
*Ignace.....	2 May	8 May	12 May	11 May	11 May	8 May	8 May	13 May	.....	.....	.....	.....
*Kenogami Lake...	4 May	12 May	18 May	13 May	10 May	8 May	4 May	12 May	19 May	11 May	19 May	14 May
*Kenora.....	15 April	30 April	12 May	11 May	9 May	6 May	8 May	3 May	6 April	5 May	1 May	15 May
Launton Lake.....	17 April	20 April	2 May	26 April	26 April	22 April	30 April	4 May	25 April	27 April	29 April	5 May
*Nym Lake.....	2 May	8 May	12 May	12 May	16 May	8 May	8 May	11 May	29 May	15 May	10 May	7 May
*Oba Lake.....	4 May	11 May	23 May	11 May	15 May	.....	.....	.....	.....	.....	.....	.....
*Parry Sound.....	21 April	27 April	27 April	26 May	25 April	22 April	23 April	4 May	2 April	29 April	19 April	18 April
*Pays Plat.....	2 May	8 May	12 May	10 May	11 May	23 April	8 May	11 May	9 May	6 May	10 May	8 May
*Pembroke.....	.....	.....	.....	.....	26 April	23 April	25 April	4 May	1 April	21 April	6 April	10 April
*Pickle Lake.....	16 May	15 May	20 May	19 May	16 May	17 May	17 May	13 May	31 May	1 June	21 May	21 May
*Port Arthur.....	30 April	24 April	13 May	19 May	16 May	5 May	5 May	11 May	17 May	3 May	28 April	28 April
*Red Lake.....	2 May	14 May	16 May	19 May	15 May	8 May	10 May	12 May	25 May	24 May	13 May	7 May
*Remi Lake.....	7 May	12 May	19 May	11 May	15 May	9 May	6 May	12 May	24 May	23 May	10 May	13 May
*Sault Ste. Marie.	26 March	8 April	11 April	4 April	2 April	3 April	3 April	.....	1 April	1 April	12 April	22 April
*Sioux Lookout....	1 May	14 May	16 May	16 May	8 May	2 May	7 May	10 May	23 May	10 May	9 May	3 May
*Timmins.....	2 May	8 May	16 May	11 May	9 May	11 May	4 May	11 May	14 May	16 May	11 May	18 May
*Sudbury.....	18 April	1 May	4 May	10 May	27 April	24 April	28 April	8 May	25 April	3 May	17 April	25 April
*Tenagami.....	2 May	8 May	11 May	17 May	9 May	1 May	4 May	14 May	9 May	9 May	26 April	9 May
*Toronto.....	20 April	28 April	28 April	19 April	6 April	17 April	20 April	.....	5 April	1 April	1 April	1 April
*Tweed.....	18 April	27 April	28 April	25 April	25 April	18 April	23 April	4 May	25 April	20 April	11 April	24 April
*Twin Lakes.....	13 May	15 May	25 May	21 May	22 May	15 May	11 May	13 May	.....	.....	.....	.....
*White River.....	2 May	12 May	20 May	12 May	15 May	15 May	10 May	11 May	19 May	12 May	3 May	7 May

NEW POLICIES

[illegible]

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland

Northern District of North America (Quebec) (Lower Canada 1800-1801)	1764-1801	Surveyor-General
--	-----------	------------------

Sir D.W. Smith

First Surveyor-General of Province of Upper Canada	1800-1804	Surveyor-General
---	-----------	------------------

C. B. Wyatt	1804-1805	Surveyor-General
-------------------	-----------	------------------

William Chewett and

Thomas Ridout	1805-1810	Surveyor-General
---------------------	-----------	------------------

Thomas Ridout	1810-1829	Surveyor-General
---------------------	-----------	------------------

Hon. S. P. Hurd	1832-1835	Surveyor-General
-----------------------	-----------	------------------

J. Macaulay	1836-1838	Surveyor-General
-------------------	-----------	------------------

Hon. R. B. Sullivan	1838-1840	Surveyor-General
---------------------------	-----------	------------------

Thos. Parke	1841-1845	Surveyor-General
-------------------	-----------	------------------

* G. B. Kirkpatrick	1880-1917	Director of Surveys
---------------------------	-----------	---------------------

* L. V. Rorke	1918-1928	Director of Surveys
---------------------	-----------	---------------------

† L. V. Rorke	1928-1936	Deputy Minister/ Surveyor-General
---------------------	-----------	--------------------------------------

‡ C. H. Fullerton	1936-1946	Surveyor-General
-------------------------	-----------	------------------

F. W. Beatty	1946-1962	Surveyor-General
--------------------	-----------	------------------

Robert G. Code	1962-	Surveyor-General
----------------------	-------	------------------

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning added in 1958 and Engineering Section added in 1962. Land Acquisition Section was created in 1963. Land Use Planning Section merged with Land Acquisition in 1966 as Land Acquisition and Planning Section.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: ROBERT G. CODE	
	<p style="text-align: center;">LANDS SECTION</p> <p style="text-align: center;">Supervisor: R. S. Hyslop</p> <p>Administration of public lands and their disposition by sale, patent, vesting order, quit claim deed, lease, licence of occupation, or land use permit; release of reservations in patents, assignments and cancellations; reservation of lands for public and government uses; Beach Management Agreements concluded with Municipalities.</p>
	<p style="text-align: center;">LAND ACQUISITION & PLANNING SECTION</p> <p style="text-align: center;">Supervisor: W. G. Maslen</p> <p>Recommendations and applications for purchase of private lands for public uses; development and co-ordination of land use plans in all districts for the management of renewable, natural resources; Ontario Land Inventory; co-ordination of departmental A. R. D. A. projects; liaison with Department of Agriculture and Food on private lands and with other departments on the socio-economic implications of land use objectives; and road co-ordination.</p> <p>Approval of dams; licences of occupation for dams, flooding and diversions; water resource management; issuance and servicing of Water Power Lease Agreements.</p>
	<p style="text-align: center;">SURVEYS SECTION</p> <p>Examination, recording and custody of original plans and field notes of restoration of original Crown survey points, retracement and Municipal surveys, and surveys of Crown lands for disposition; map compilation; authorization of geographical names; distribution of maps, publications and copies of survey records; access roads.</p> <p>Branch attendance, accounts payable, budget, expenditure control, supplies and equipment.</p>

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2,400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square - no road allowances - Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 206 township subdivision surveys have been annulled, as of October 31, 1969, under the provisions of Section 10 (1) of The Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1930 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to October 31, 1969, a total of 906 plans of subdivision for summer cottage purposes have been registered, covering 10,956 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1969, the total installed capacity of power plants under lease and in service is 5,441,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 8,798,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

The highest known point in Ontario is Ogidaki Mountain, located in Township 24, Range 12, Algoma District - elevation 2,183 feet above mean sea level.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forest to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U. E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

Section 16 of The Public Lands Act came into force on April 12, 1960. It authorized the designation of any area in territory without municipal organization as a restricted area. Twelve areas are designated for the purpose of encouraging orderly residential development in accordance with the principles of public health, safety and community planning.

On March 29, 1961, Sections 44 to 61 inclusive of The Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown public lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise. Generally speaking no public lands are available for farming in southern Ontario.

Summer cottage sites are made available on a sale basis after completion of lake development plans. These plans prepared by local offices of the Department ensure protection of the present and future public interest by reserving access points, lookout and camping areas, wildlife propagation areas, etc. Not less than 25% of the shoreline must be retained for these purposes. Areas selected for cottage sites are examined by the health authorities and other Government bodies concerned with environmental pollution. When clearance is given the lots are surveyed into registered plans of subdivision and sold by district offices on a cash basis. Where demand for lots exceeds supply, sale is made by public auction.

Commercial summer resort lands may be purchased or leased under conditions of size, price and improvements specified by Regulations.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Locations for hunting and fishing camps can be rented under a Land Use Permit issued by the District Forester in parts of the Province where the density of such camps has not reached saturation. The permit is to regulate buildings only and does not carry with it any hunting or fishing privileges.

Pine Tree Reservations

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

LAND ACQUISITION AND PLANNING SECTION

This Section-

- (a) Determines the land's capability to, produce crops of wildlife, fish and timber; provide a variety of outdoor recreational experiences; and provide suitable space for cultural developments such as houses, factories, roads and airports.
- (b) Supervises and co-ordinates the preparation of plans recommending the best land use based on the land's ability to satisfy the various uses.
- (c) Co-ordinates the long range planning activities of the Department to ensure the optimum benefits are achieved while implementing the recommended land uses.
- (d) Acquires private land to meet the needs of the people as recommended in the plans.

The Section is also responsible for the co-ordination of A. R. D. A. programs in the Department; liaison with the Regional Development Branch, Department of Treasury on regional planning; co-ordination of the Forest Access Roads Program; co-ordination of the Advisory Committees on Recreational Land Use Planning; liaison with the Department of Agriculture on the Private Lands Liaison Committee.

LANDS PROPOSED, ACQUIRED AND REJECTED

In year ending March 31, 1969

Use Category	Acres Proposed	Acres Rejected	Acres Acquired	Cost
Provincial Parks.....	11,092.53	.....	5,421.86	\$2,189,387
Access Points....	252.00	33.00	348.62	166,159
General Recreation	16,253.50	.....	5,007.50	710,007
Wilderness Areas.....	275.00	.....	136.00	19,883
Wildlife Management	21,850.00	9,600.00	6,556.70	270,368
Timber Management	197,201.00	.....	194,495.73	2,165,135
District Improvements	136.15	.10	1,481.46	103,901
Totals ...	247,060.18	9,633.10	213,447.87	5,624,840

ACRES ACQUIRED in years ending March 31st

Use Category	1966	1967	1968	1969
Provincial Parks.....	7,437.42	6,244.49	9,142.10	5,421.86
Access Points....	610.03	290.90	1,135.36	348.62
General Recreation	68.39	851.30	8,829.26	5,007.50
Wilderness Areas.....	190.48	614.30	356.96	136.00
Wildlife Management	3,460.55	1,876.00	3,327.77	6,556.70
Timber Management	3,363.13	8,859.42	32,631.50	194,495.73
District Improvements	592.00	109.30	154.00	1,481.46
Totals ...	15,722.00	18,845.71	55,576.95	213,447.87

LAND ACQUIRED BY CROWN

Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	10,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174	7,969	12,081	22,224
1966	5,484*	1,989	15,130	22,603
1967	8,402	1,840	18,846	29,088
1968	8,344	470	55,577	64,391
1969	2,411*	996	208,026	211,433

*Figures for previous calendar year ending December 31.

FREE GRANT LAND in years ending March 31st

Year	Locations		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1946	49	5,737	545	61,459	120	14,214	216	26,068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	67	8,649	403	48,578	64	8,415	164	22,119
1949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
1951	28	3,608	289	35,371	56	7,747	150	19,826
1952	27	3,411	159	19,785	37	5,060	165	21,411
1953	36	4,655	181	21,874	25	3,452	120	16,131
1954	24	2,757	250	30,784	19	2,618	136	17,713
1955	17	1,823	209	25,755	7	1,005	87	11,219
1956	20	2,708	114	12,661	4	517	59	7,501
1957	8	878	78	8,727	1	151	47	6,089
1958	6	796	60	6,950	1	156	48	6,483
1959	4	462	43	4,689	1	160	36	4,658
1960	4	386	48	4,597	1	50	44	5,911
1961	..	.....	89	9,799	2	156	29	3,701
1962	..	.....	51	5,033	..	.....	25	2,670
1963	..	.....	74	7,979	..	.....	30	3,939
1964	..	.....	12	1,222	1	100	18	2,385
1965	..	.....	23	2,721	..	.....	11	1,319
1966	..	.....	24	2,756	..	.....	12	1,307
1967	..	.....	2	186	..	.....	7	732
1968	..	.....	..	.....	..	.....	..	.....
1969	..	.....	3	268	1	68	2	168

AGRICULTURAL LAND in years ending March 31st

Year	Sales		Cancellations		Assignments		Patents		Quit No.	Claim Acres	Deeds Acres
	No.	Acres	No.	Acres	No.	Acres	No.	Acres			
1946	281	26,535	438	42,933	162	17,464	321	36,683	...	...	...
1947	303	29,757	338	29,470	222	22,801	433	52,189	...	...	...
1948	280	29,506	402	37,069	185	21,667	299	32,929	...	...	...
1949	277	28,740	378	35,095	105	12,392	225	26,435	...	...	...
1950	267	26,671	327	32,452	113	12,145	316	35,483	...	...	...
1951	195	19,228	221	22,134	69	7,673	256	28,104	...	...	...
1952	223	24,420	143	13,358	71	7,313	242	26,474	...	...	...
1953	186	21,965	221	21,645	70	7,560	256	29,319	...	...	...
1954	144	14,534	131	13,049	50	4,484	256	29,123	...	...	...
1955	158	15,232	161	17,377	92	4,131	188	21,265	...	...	...
1956	117	12,230	184	18,513	26	3,008	148	17,892	...	...	...
1957	82	8,683	191	19,038	15	1,461	126	14,882	...	...	...
1958	101	10,543	174	17,087	7	807	150	15,471	...	...	...
1959	101	10,607	141	13,788	12	1,227	110	11,644	...	...	...
1960	68	6,578	59	5,788	3	211	105	10,980	...	...	...
1961	35	3,808	94	9,133	15	1,531	108	11,633	...	...	...
1962	10	1,102	58	5,892	4	330	94	10,267	...	...	...
1963	5	284	59	5,868	5	446	84	9,512	...	...	...
1964	6	549	9	810	1	80	88	8,783	...	...	...
1965	16	1,384	48	4,778	..	.....	62	6,468	...	...	...
1966	12	1,084	29	2,860	..	.....	42	4,362	...	...	...
1967	6	476	15	1,591	..	.....	28	2,510	1	100	...
1968	1	160	2	240	..	.....	24	2,480	2	177	...
1969	2	226	2	235	..	.....	19	2,144	...	...	...

SUMMER RESORT LAND in years ending March 31st.

YEAR	Sales		Cancellations		Assignments		Patents		Surveys
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
1946	535	1,411	11	35	14	32	277	781	358
1947	666	1,841	6	6	37	186	496	1,764	388
1948	700	1,700	26	69	34	139	446	1,153	692
1949	1,010	2,336	45	218	40	107	756	1,984	1,199
1950	1,202	2,512	77	610	38	95	1,046	2,613	1,435
1951	1,360	2,484	62	112	50	94	1,125	2,294	1,737
1952	1,601	2,769	75	148	35	319	1,294	3,363	1,800
1953	1,290	2,278	73	183	40	127	1,263	2,287	1,458
1954	1,435	2,133	76	447	37	72	1,312	2,168	1,752
1955	1,278	1,871	84	166	28	42	1,479	2,438	1,670
1956	1,176	1,614	108	183	12	17	1,384	2,089	1,269
1957	714	958	61	124	17	17	1,164	1,411	1,207
1958	1,344	1,678	36	53	13	15	962	1,350	2,083
1959	2,155	2,517	27	28	19	23	1,220	1,588	2,660
1960	2,418	2,345	33	49	29	25	1,946	2,010	2,307
1961	1,557	1,543	58	72	25	25	1,840	1,929	2,935
1962	1,391	1,377	55	77	22	26	2,234	2,415	2,577
1963	1,131	1,068	25	29	11	8	1,418	1,494	1,374
1964	912	929	17	19	6	7	1,088	1,092	939
1965	881	824	32	33	3	8	977	981	726
1966	856	863	23	21	17	25	883	925	838
1967	1,142	1,109	17	15	30	27	827	821	897
1968	944	977	20	24	27	23	961	940	746
1969	1,379	1,392	25	27	25	27	1,117	1,080	1,018

CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

Year	No.	Sales Acres	Cancellations No.	Acres	No.	Assignments No.	Acres	No.	Patents Acres	Quit Claim Deeds No.	Acres
1947	275	137.92	9	2.39	27	6.67	175.39	249	175.39	•	...
1948	...	...	•	...	•	...	...	•	...	•	...
1949	151	68.626	17	17.182	22	8.904	66.634	146	66.634	•	...
1950	97	102.906	10	1.668	11	21.764	111.60195	182	111.60195	•	...
1951	87	56.996	15	30.05	10	2.2145	94.3345	143	94.3345	•	...
1952	91	252.47	7	1.695	10	1.576	38.274	90	38.274	•	...
1953	111	64.7477	19	13.82	2	0.378	68.950	126	68.950	•	...
1954	89	28.604	8	23.308	7	1.682	63.0438	99	63.0438	•	...
1955	60	15.411	11	5.271	11	2.39	26.651	70	26.651	•	...
1956	91	44.690	14	6.06	7	1.44	1,613.190	85	1,613.190	•	...
1957	96	60.547	14	5.04	2	0.37	70.632	85	70.632	•	...
1958	76	15.693	10	1.159	4	0.86	323.050	69	323.050	•	...
1959	109	30.8821	6	2.109	4	0.978	37.990	101	37.990	3	12.909
1960	113	36.315	12	1.1872	4	0.941	75.994	99	75.994	3	219.485
1961	83	29.443	17	3.318	5	0.98	25.618	91	25.618	3	155.89
1962	104	39.910	20	5.708	•	...	61.243	105	61.243	3	1.34
1963	77	31.941	31	6.318	8	2.885	36.547	99	36.547	7	28.314
1964	64	34.650	4	4.892	1	0.2	218.826	67	218.826	3	2.305
1965	27	7.140	13	2.840	1	0.394	15.019	45	15.019	1	0.13
1966	34	14.189	11	2.140	1	0.24	12.254	45	12.254	1	0.69
1967	27	10.275	5	1.063	1	0.09	13.106	23	13.106	•	...
1968	37	12.491	5	1.165	5	1.18	14.986	37	14.986	1	0.50
1969	71	64.638	3	1.39	1	0.30	15.563	59	15.563	1	....

LAND FOR SPECIAL USE in years ending March 31st

Year	No.	Sales Acres	Cancellations No. Acres	Assignments No. Acres	Patents No. Acres	Quit No. Acres	Claim Deeds Acres	Easements No. Acres
1947	211	14,293.96	..	6	134.05	145	13,272.99	..
1948	...	...	...	...	...	...	...	...
1949	199	20,541.913	5	3	184.53	187	13,132.423	...
1950	183	26,616.1662	5	4	95.86	187	55,461.188	...
1951	155	4,285.757	11	2	100.68	175	5,471.559	...
1952	149	5,367.3395	15	1	20.08	157	7,318.1075	...
1953	141	5,440.696	9	2	2.91	170	6,931.922	...
1954	145	4,220.913	12	7	87.56	154	6,168.493	...
1955	143	4,745.9465	12	3	111.771	163	4,989.0825	...
1956	129	7,451.9988	10	3	6.23	132	6,274.0393	...
1957	81	2,122.698	7	...	...	132	5,175.287	...
1958	148	4,533.12	12	...	...	152	5,620.207	...
1959	88	1,738.784	2	1	2.13	108	2,554.183	...
1960	157	3,201.033	4	3	4.11	162	10,254.213	...
1961	108	9,149.599	6	...	...	156	4,888.957	...
1962	122	2,587.402	5	2	1.69	158	4,090.992	...
1963	100	2,527.392	3	...	...	146	4,863.112	...
1964	75	1,529.052	4	...	...	140	6,624.6265	...
1965	86	622.792	8	...	...	128	16,667.445	...
1966	83	671.858	8	...	...	99	2,345.328	...
1967	128	1,462.543	3	...	...	149	3,916.502	...
1968	108	1,192.00	4	1	1.00	153	1,896.00	...
1969	125	3,283.274	4	1	.22	144	3,803.024	...

LEASES

LICENCES OF OCCUPATION

YEAR Ending March 31st	No. Issued	Acres	No. Cancelled	Acres	No. Issued	Acres	No. Cancelled	Acres
1947	86	...	219	...	151	...	22	...
1948	108	...	138	...	109	...	26	...
1949	87	...	125	...	92	...	44	...
1950	96	...	97	...	88	...	44	...
1951	81	...	114	...	88	...	37	...
1952	87	...	104	...	113	...	36	...
1953	66	...	60	...	88	...	29	...
1954	88	...	124	...	84	...	45	...
1955	59	...	48	...	11	...	60	...
1956	60	...	61	...	53	...	88	...
1957	84	...	81	...	60	...	71	...
1958	65	...	76	...	32	...	22	...
1959	75	...	58	...	26	...	26	...
1960	55	...	57	...	51	...	29	...
1961	68	...	64	...	37	...	20	...
1962	71	...	62	...	50	...	21	...
1963	47	...	79	...	51	...	31	...
1964	70	...	96	...	50	...	34	...
1965	32	...	66	...	127	...	111	...
1966	53	...	71	...	76	...	86	...
1967	65	1,458	90	2,891	80	401	97	1,214
1968	72	7,275	58	6,662	97	418	112	357
1969	61	3,575	62	8,609	81	351	94	415

LAND USE PERMITS In years ending March 31st

Year	Hunt Camp	Trappers Cabin	Residence and Garden	Agriculture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total Acres
1947	391	25	570	201	38	172	10	56	95	330	1,888	18,955
1948	464	47	489	233	15	197	2	80	307	377	2,211	.....
1949	543	33	446	129	57	170	2	77	370	501	2,583	22,458
1950	786	18	386	122	67	175	4	42	265	1,262	3,270	15,846
1951	796	32	261	66	56	231	6	79	599	1,617	3,891	19,035
1952	866	13	259	47	34	239	..	76	643	1,758	.....	.....
1953	957	...	299	34	24	187	1	69	400	1,671	3,809	16,031
1954	1,064	4	224	35	19	169	..	41	563	1,964	4,274	21,201
1955	1,220	29	246	34	10	180	9	102	683	2,046	4,559	18,128
1956	1,234	200	435	130	29	216	5	216	453	2,543	2,918	30,321
1957	1,248	328	459	84	36	215	5	237	537	2,613	3,059	29,669
1958	1,352	218	514	79	37	184	1	252	509	2,858	3,146	34,471
1959	1,190	279	514	89	31	214	3	368	365	3,121	3,053	36,742
1960	1,689	226	503	65	45	149	3	344	416	3,107	3,440	36,625
1961	1,875	201	328	48	22	188	7	255	548	3,181	3,472	29,899
1962	2,245	216	443	46	22	158	4	254	478	3,068	3,866	32,903
1963	2,163	241	441	49	17	152	4	265	572	3,210	3,904	37,078
1964	2,424	278	591	68	19	156	7	275	561	3,173	4,379	40,232
1965	2,395	296	349	47	46	163	12	415	713	3,146	4,436	35,438
1966	2,413	285	338	57	48	154	7	397	683	3,055	4,382	31,810
1967	2,516	325	353	52	55	157	8	393	696	2,737	4,555	29,036
1968	2,637	382	346	45	38	159	12	394	734	2,863	4,747	58,639
1969	2,696	466	448	42	54	146	12	384	682	2,603	4,930	53,023

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

FREE GRANT LAND
RETURNED SOLDIERS AND SAILORS

The fiscal year ending March 31st, 1967.

Administrative District	Cancellations		Patents	
	No.	Acres	No.	Acres
Kenora	1	83
Swastika	1	78
Totals	2	161

FREE GRANT LAND

The fiscal year ending March 31st, 1967.

Administrative District	Cancellations		Patents	
	No.	Acres	No.	Acres
Kenora	..	...	2	242
Parry Sound	2	186	..	...
Port Arthur	..	...	2	251
Swastika	..	...	1	78
Totals	2	186	5	571

AGRICULTURAL LAND

The fiscal year ending March 31st, 1967.

Administrative District	Sales No.	Sales Acres	Cancellations No.	Cancellations Acres	Patents No.	Patents Acres	Quit Claim Deeds No.	Quit Claim Deeds Acres
Cochrane	1	74	..	...	4	293	..	...
Fort Frances	1	161	..	...	1	161	..	...
Kapuskasing	2	121	5	395	6	463	..	...
Kenora	1	40	..	...	1	40	..	...
Lake Huron	..	...	..	...	2	150	..	...
Lake Simcoe	..	...	..	...	1	91	..	...
North Bay	..	...	1	80	..	...	..	...
Sault Ste. Marie	..	...	1	72	..	...	..	...
Sudbury	1	80	6	892	5	547	..	...
Swastika	..	...	2	152	6	480	..	...
Tweed	..	...	..	...	2	285	1	100
Totals	6	476	15	1,591	28	2,510	1	100

SUMMER RESORT

The fiscal year ending March 31st, 1967.

Administrative District	Sales No.	Sales Acres	Cancellations No.	Cancellations Acres	Assignments No.	Assignments Acres	No.	Patents Acres
Chapleau	3	2	..	..	..	..	2	4
Cochrane	15	11	..	..	..	..	14	10
Fort Frances	68	69	2	2	8	9	72	87
Geraldton	15	13	..	..	..	..	19	14
Gogama	6	16	..	..	1	1	16	19
Kapuskasing	9	9	..	..	..	..	5	4
Kemptville	11	10	..	..	..	..	6	5
Kenora	79	84	2	3	1	1	88	93
Lake Simcoe	3	5	..	..	..	..	5	7
Lindsay	174	143	5	4	4	3	54	48
North Bay	40	37	1	1	3	3	46	42
Parry Sound	303	284	..	..	6	4	194	184
Pembroke	29	32	..	..	..	..	27	26
Port Arthur	33	3	1	1	1	1	41	35
Sault Ste. Marie	28	37	..	..	2	1	19	17
Sioux Lookout	21	39	..	..	..	..	12	24
Sudbury	39	38	..	..	..	..	60	61
Swastika	20	15	2	1	..	..	13	17
Tweed	236	222	3	2	4	4	129	119
White River	10	8	1	1	..	..	5	5
Totals	1,142	1109	17	15	30	27	827	821

CITIES, TOWNS and TOWNPLOTS

The fiscal year ending March 31st, 1967.

Administrative District	Sales		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Geraldton	2	.857	..	...	1	.09	3	.158
Gogama	2	.578	..	...	..	...	1	.29
Kapuskasing	6	2.763	2	.499	..	...	2	6.45
Kenora	1	.132	..	...	..	...	1	.155
North Bay	..	...	..	...	..	...	1	.19
Parry Sound	1	.50	..	...	..	...	2	1.00
Pembroke	3	1.055	1	.344	..	...	1	.353
Port Arthur	1	.20	..	...	..	...	..	...
Sioux Lookout	3	2.29	2	.22	..	...	4	2.61
Sudbury	4	.67	..	...	..	...	1	.14
Swastika	3	.75	..	...	..	...	2	.50
White River	1	.48	..	...	..	...	5	1.26
Totals	27	10.275	5	1.063	1	.09	23	13.106

LAND FOR SPECIAL USE

The fiscal year ending March 31st, 1967.

Administrative District	Sales No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deeds No.	Acres
Chapleau	2	136.828	..	...	2	87.863	..	...
Cochrane	12	47.408	..	...	11	217.328	..	...
Fort Frances	4	9.85	..	...	2	1.13	..	...
Geraldton	11	63.412	..	...	8	45.859	..	...
Kapuskasing	5	44.916	..	...	5	46.146	..	...
Kemptville	..	...	..	...	3	9.289	2	195.28
Kenora	25	78.891	..	...	18	91.456	..	...
Lake Erie	2	.47	..	...	4	676.093	..	...
Lake Huron	1	.186	..	...	1	1.772	3	299.578
Lake Simcoe	1	.287	..	...	5	303.374	..	...
Lindsay	1	52.48	..	...	2	100.33	1	2.05
North Bay	10	114.94	..	...	7	125.304	..	...
Parry Sound	14	117.783	..	...	20	151.24	..	...
Pembroke	3	138.69	..	...	5	217.083	..	...
Port Arthur	3	266.738	..	...	8	85.675	..	...
Sault Ste. Marie	5	43.771	..	...	11	108.277	..	...
Sioux Lookout	8	22.088	..	...	7	68.68	..	...
Sudbury	7	151.14	1	1.10	8	158.19	..	...
Swastika	5	91.045	1	.91	5	83.08	..	...
Tweed	8	56.836	1	45.00	13	1320.776	7	440.675
White River	1	24.784	..	...	4	17.557	..	...
Totals	128	1462.543	3	47.01	149	3916.502	13	937.583

LICENSES OF OCCUPATION

The fiscal year ending March 31st, 1967.

Administrative District	Licences		Cancellations	
	No.	Acres	No.	Acres
Chapleau	2	113	2	152
Cochrane	..		7	10
Fort Frances	2	41	1	...
Geraldton	2	53	5	1,163
Kapuskasing	1	7	2	66
Kemptville	..	..	1	...
Kenora	5	66	6	225
Lake Erie	5	3	6	8
Lake Huron	6	2	1	...
Lake Simcoe	8	42	6	49
Lindsay	6	21	1	...
North Bay	2	97	13	115
Parry Sound	4	512	4	2
Pembroke	5	4	5	3
Port Arthur	4	19	9	20
Sault Ste. Marie	4	448	2	415
Sioux Lookout	..	..	2	9
Sudbury	1	2	7	80
Swastika	3	9	..	...
Tweed	3	12	6	115
White River	2	7	4	459
Totals	65	1,458	90	2,891

LEASES

The fiscal year ending March 31st, 1967.

Administrative District	Leases		Cancellations	
	No.	Acres	No.	Acres
Chapleau	1	3	1	3
Cochrane	1	30	..	...
Fort Frances	1	10	1	1,112
Geraldton	2	9	2	4
Gogama	2	10	..	...
Kemptville	..	...	1	1
Kenora	..	...	3	8
Lake Erie	23	7	47	8
Lake Simcoe	1	47	..	...
Lindsay	1	...	..	...
North Bay	2	12	..	...
Parry Sound	2	4	3	13
Pembroke	30	34	30	32
Port Arthur	2	163	..	...
Sault Ste. Marie	3	18	1	6
Sioux Lookout	1	2	..	...
Sudbury	1	14	2	5
Tweed	1	9	1	3
White River	6	29	5	19
Totals	80	401	97	1,214

LAND USE PERMITS ISSUED FROM APRIL 1st, 1966 to March 31st, 1967.

Administrative District	Hunt Camp		Trapper's Camp		Residence		Agricultural		Marsh Hay		Mill Site		Sugar Bush		Boat Houses		Miscellaneous		Departmental Houses
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
Chapleau	48	48	58	58	30	25	1	5	..	..	8	117	..	..	3	1	21	1,349	83
Cochrane	97	77	9	9	32	29	1	35	9	285	7	60	..	..	3	..	25	903	80
Fort Frances	8	7	38	18	1	1	..	..	2	75	9	39	..	..	27	4	30	817	111
Geraldton	21	19	15	15	54	31	4	18	..	..	..	..	..	..	8	1	78	1,868	116
Gogama	50	50	21	21	10	10	..	..	1	9	11	139	..	..	2	1	18	1,312	135
Kapuskasing	50	27	18	14	16	11	9	192	4	121	10	307	..	..	5	2	68	2,595	154
Kemptville	11	11	..	..	1	1	1	10	..	..	..	..	..	..	..	..	..	..	69
Kenora	11	11	39	35	11	8	1	15	..	..	14	61	..	..	22	3	58	1,022	114
Lake Erie	..	..	..	..	..	..	..	..	..	..	..	..	..	..	109	13	..	..	118
Lake Huron	..	..	..	..	..	..	7	561	1	50	..	..	..	..	..	..	..	..	78
Lake Simcoe	1	1	..	..	12	6	2	80	3	200	..	..	..	..	15	2	..	..	220
Lindsay	272	264	..	..	12	7	..	..	2	65	..	..	..	..	15	2	13	23	159
North Bay	218	218	2	2	18	21	4	136	4	70	11	73	2	25	36	5	35	817	157
Parry Sound	527	524	10	9	28	20	1	50	2	25	5	57	3	30	30	4	46	298	132
Pembroke	277	274	..	..	10	5	..	..	1	25	16	314	..	..	7	2	68	147	87
Port Arthur	12	10	7	6	4	12	1	25	..	..	6	85	..	..	2	..	13	651	124
Sault Ste. Marie	82	75	31	30	3	1	2	4	..	..	21	114	..	..	1	..	31	977	132
Sioux Lookout	34	34	58	58	31	28	1	3	..	..	13	77	..	..	1	..	88	6,218	242
Sudbury	278	278	11	11	32	23	3	90	10	185	8	120	3	40	79	8	22	741	124
Swastika	42	44	6	6	30	23	13	235	10	384	14	111	..	..	12	1	15	356	33
Tweed	472	468	..	..	4	9	..	..	6	165	3	16	..	..	13	2	23	616	65
White River	5	5	2	3	14	7	1	4	..	..	1	43	..	..	3	..	43	306	204
TOTALS	2,516	2,445	325	295	353	278	52	1,463	55	1,659	157	1,733	8	95	393	51	695	21,016	2,737

AGRICULTURAL LAND

The fiscal year ending March 31st, 1968.

Administrative District	Sales No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim No.	Deeds Acres
Cochrane	..	...	..	...	9	721	..	...
Fort Frances	..	...	..	...	3	316	..	...
Kapuskasing	..	...	..	...	2	141	..	...
Kenora	1	160	..	...	3	479	..	...
Lake Huron	..	...	..	...	1	100	..	...
Sudbury	..	...	1	160	4	561	..	...
Swastika	..	...	1	80	2	162	..	...
Tweed	..	...	..	...	..	...	2	177
Totals	1	160	2	240	24	2,480	2	177

SUMMER RESORT

The fiscal year ending March 31st, 1968.

Administrative District	Sales No.	Acres	Cancellations No.	Acres	Assignments No.	Acres	No.	Patents Acres
Chapleau	3	7	..	...	..	...	3	2
Cochrane	5	4	..	...	..	...	8	6
Fort Frances	75	96	2	5	4	4	86	86
Geraldton	5	5	..	...	1	1	11	14
Gogama	10	11	..	...	..	...	8	12
Kapusking	5	17	..	...	..	...	8	13
Kemptville	15	13	..	...	3	3	12	10
Kenora	106	110	..	...	..	...	84	93
Lake Simcoe	..	...	..	...	..	...	5	5
Lindsay	55	44	3	3	4	3	143	113
North Bay	40	36	..	...	..	...	44	41
Parry Sound	138	137	6	6	4	4	207	198
Pembroke	40	41	1	1	..	...	31	34
Port Arthur	36	35	..	...	6	4	38	40
Sault Ste. Marie	43	52	3	3	2	2	33	38
Sioux Lookout	21	33	1	3	..	...	12	17
Sudbury	43	41	2	1	1	1	45	47
Swastika	25	19	..	...	..	...	18	13
Tweed	272	270	2	2	2	1	165	158
White River	7	6	..	...	..	...
Totals	944	977	20	24	27	23	961	940

CITIES, TOWNS and TOWNPLOTS

The fiscal year ending March 31st, 1968..

Administrative District	No.	Sales Acres	Cancellations No.	Cancellations Acres	Assignments No.	Assignments Acres	Patents No.	Patents Acres	Quit Claim Deeds No.	Quit Claim Deeds Acres
Chapleau	1	1.67	..	...	..	...	1	.60	..	...
Cochrane	..	...	..	...	..	...	1	2.971	..	...
Fort Frances	..	...	..	...	..	...	1	.25	..	...
Geraldton	..	...	2	.285	..	...	2	.46	..	...
Gogama	5	1.64	1	.29	1	.11	5	1.48	..	...
Kapuskasing	10	3.78	..	...	2	.84	6	3.177	..	...
Kenora	..	...	1	.43	..	...	1	.066	..	...
Lake Erie	..	...	..	...	..	...	1	.085	..	...
Lake Huron	..	...	..	...	..	...	1	.50	1	.50
North Bay	2	.55	..	...	..	...	2	.55	..	...
Parry Sound	..	...	..	...	..	...	2	1.00	..	...
Pembroke	3	1.055	..	...	..	...	2	.706	..	...
Sioux Lookout	2	.33	1	.16	1	.08	1	.68	..	...
Sudbury	5	1.255	..	...	1	.15	6	1.185	..	...
Swastika	8	2.091	..	...	..	...	4	1.106	..	...
White River	1	.12	..	...	..	...	1	.17	..	...
Totals	37	12.491	5	1.165	5	1.18	37	14.986	1	.50

LAND FOR SPECIAL USE

The fiscal year ending March 31st, 1968.

Administrative District	No.	Sales Acres	Cancellations No. Acres	Assignments No. Acres	Patents No. Acres	Grant of Easement No. Acres	Quit Claim Deeds No. Acres
Chapleau	4	45.003	..	..	3	5.985	..
Cochrane	2	4.259	..	..	6	81.523	..
Fort Frances	7	13.20	..	1	9	242.748	..
Geraldton	8	24.931	2	1.836	8	71.127	..
Gogama	1	1.03	..	..	2	1.49	..
Kapuskasing	3	38.645	..	..	2	38.145	..
Kemptville	1	8.80	..	..	3	189.20	1
Kenora	19	33.766	..	..	27	65.074	..
Lake Erie	..	..	..	..	2	15.07	..
Lake Huron	..	..	..	..	4	27.629	1
Lake Simcoe	2	2.409	..	..	3	5.389	..
Lindsey	..	..	..	..	2	201.29	..
North Bay	5	6.087	..	..	13	170.643	..
Parry Sound	11	46.18	..	..	22	41.793	..
Pembroke	3	10.91	..	..	7	112.546	1
Port Arthur	6	134.28	..	..	4	323.16	..
Sault Ste. Marie	8	197.313	2	202.50	8	16.489	..
Sioux Lookout	4	4.22	..	..	7	5.60	..
Sudbury	6	32.756	..	..	7	17.654	1
Swastika	2	37.25	..	..	1	.05	..
Tweed	12	500.70	..	..	11	219.659	3
White River	4	50.714	..	..	2	44.171	..
Totals	108	1192.453	4	204.336	1	.90	153
						1896.435	2
						.29	8
							220.640

LICENSES OF OCCUPATION

The fiscal year ending March 31st, 1968.

Administrative District	Licences		Cancellations	
	No.	Acres	No.	Acres
Chapleau	1	250	4	1,483
Cochrane	1	96	2	48
Fort Frances	4	15	2	246
Geraldton	8	334	9	2,544
Kapuskasing	..	...	2	...
Kemptville	1	...	..	...
Kenora	2	10	1	2
Lake Erie	8	501	1	27
Lake Huron	6	5	..	...
Lake Simcoe	5	3	3	...
Lindsay	2	3	3	441
North Bay	3	706	3	851
Parry Sound	13	336	8	24
Pembroke	..	...	1	1
Port Arthur	2	14	6	287
Sault Ste. Marie	5	4,356	2	...
Sioux Lookout	5	340	3	358
Sudbury	1	2	2	138
Swastika	4	247	1	203
Tweed	..	...	3	4
White River	1	57	2	5
Totals	72	7,275	58	6,662

LEASES

The fiscal year ending March 31st, 1968.

Administrative District	Leases		Cancellations	
	No.	Acres	No.	Acres
Cochrane	1	5	2	9
Fort Frances	1	3	..	...
Geraldton	4	244	4	247
Gogama	2	14	..	...
Kapuskasing	2	5	..	...
Kenora	2	6	5	16
Lake Erie	40	6	52	10
North Bay	5	53	5	9
Parry Sound	3	5	4	7
Pembroke	27	30	29	29
Port Arthur	1	24	..	...
Sault Ste. Marie	4	7	3	1
Sioux Lookout	1	2	1	2
Sudbury	2	5	3	9
Swastika	1	1	1	1
Tweed	1	8	1	8
White River	..	...	2	9
Totals	97	418	112	357

LAND USE PERMITS ISSUED FROM APRIL 1st, 1967 to MARCH 31st, 1968.

Administrative District	Hunt Camp	Trapper's Camp	Residence	Agricultural	Marsh Hay	Mill Site	Sugar Bush	Boat Houses	Miscellaneous	Departmental Houses									
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.								
Chapleau	62	49	27	23	1	5	12	153	3	1	26	3,072	167						
Cochrane	121	93	4	33	28	..	5	190	6	96	3	35	5,425	103					
Fort Frances	10	9	39	26	3	1	2	125	11	71	29	3	24	812	121				
Geraldton	26	23	27	51	29	..	30	1	30	..	9	1	96	8,335	98				
Gogama	57	18	18	9	11	1	10	..	11	131	2	..	13	4,011	175				
Kapuskasing	67	31	23	19	18	13	5	95	10	244	..	1	59	5,133	141				
Kemptville	9	9	..	1	1	225	2	20	..	..	25	..	2	4	65		
Kenora	9	53	53	11	8	1	20	11	47	..	..	3	60	1,353	123		
Lake Erie	..	..	..	..	..	..	..	..	..	..	..	107	12	..	122
Lake Huron	..	..	..	..	..	..	..	..	..	..	..	..	1	..	62
Lake Simcoe	3	13	7	2	2	333	13	1	1	5	216			
Lindsay	285	278	..	8	5	..	2	75	11	1	6	10	176			
North Bay	216	5	4	18	13	6	224	2	30	11	446	2	35	37	5	41	2,493	143	
Parry Sound	528	11	11	21	14	1	50	3	45	3	17	4	50	30	3	49	6,095	139	
Pembroke	279	275	..	15	7	15	280	..	4	2	70	191	78	
Port Arthur	17	15	6	5	4	3	2	14	2	23	836	134	
Sault Ste Marie	88	32	30	5	2	1	1	..	14	102	1	50	2	34	1,475	122	
Sioux Lookout	17	16	75	76	32	28	1	3	..	15	102	..	6	3	82	4,719	211	..	
Sudbury	300	300	16	16	32	21	4	102	6	290	21	460	4	125	79	9	27	2,222	164
Swastika	49	48	5	5	26	19	12	175	4	70	12	136	12	2	30	1,197	34
Tweed	486	483	3	4	3	150	3	11	12	2	23	1,627	68
White River	8	7	19	13	16	9	1	4	43	4	1	32	672	201
TOTALS	2,637	2,543	382	356	346	246	45	1,643	38	1,443	159	2,383	12	285	394	53	734	49,687	2,863

FREE GRANT LAND

The fiscal year ending March 31st, 1969.

Administrative District	Sales No.	Acres	Cancellations No.	Acres	Assignments No.	Acres	Patents No.	Acres	Quit Claim Deeds No.	Acres
Kemptville	1	100	..	...
Parry Sound	1	100	..	...	..	...	..	...
Sault Ste. Marie	1	68	1	68	1	68	..	...
Tweed	1	100	..	...	..	...	..	...
Totals	3	268	1	68	2	168	..	...

AGRICULTURAL LAND

The fiscal year ending March 31st, 1969.

Administrative District	Sales No.	Acres	Cancellations No.	Acres	Assignments No.	Acres	Patents No.	Acres	Quit Claim Deeds No.	Acres
Cochrane	2	226	1	73	..	...	3	305	..	...
Kapusking	..	...	..	...	..	...	1	70	..	...
Kemptville	..	...	..	...	..	...	2	100	..	...
Kenora	..	...	..	...	..	...	1	152	..	...
North Bay	..	...	..	...	..	...	1	160	..	...
Sudbury	..	...	1	162	..	...	3	593	..	...
Swastika	..	...	..	...	..	...	4	469	..	...
Tweed	..	...	..	...	..	...	4	295	..	...
Totals	2	226	2	235	..	...	19	2,144	..	...

SUMMER RESORT

The fiscal year ending March 31st, 1969.

Administrative District	Sales		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Chapleau	19	27	3	4	..	..	6	7
Cochrane	11	8	..	..	..	..	12	9
Fort Frances	143	152	2	2	1	1	81	78
Geraldton	13	10	..	..	1	1	8	7
Gogama	1	1	..	..	..	..	..	...
Kapuskasing	7	19	..	..	..	..	8	7
Kemptville	2	2	..	..	2	2	16	15
Kenora	167	167	3	2	1	1	116	113
Lindsay	34	25	..	..	1	1	124	102
North Bay	54	53	5	5	3	3	47	42
Parry Sound	274	258	3	2	1	1	221	210
Pembroke	86	95	..	..	..	..	37	38
Port Arthur	42	36	1	1	3	3	38	31
Sault Ste. Marie	76	75	3	4	..	..	35	54
Sioux Lookout	61	76	1	3	1	1	19	29
Sudbury	79	79	1	1	3	6	50	49
Swastika	26	18	..	..	1	1	26	18
Tweed	274	278	3	3	7	6	272	270
White River	10	13	..	..	..	..	1	1
Totals	1,379	1,392	25	27	25	27	1,117	1,080

CITIES, TOWNS and TOWNPLOTS

The fiscal year ending March 31st, 1969.

Administrative District	No.	Sales Acres	Cancellations No.	Cancellations Acres	Assignments No.	Assignments Acres	Patents No.	Patents Acres	Quit Claim Deeds No.	Quit Claim Deeds Acres
Geraldton	..	..	1	.80	..	...	..	...	..	...
Gogama	2	.73	..	...	..	...	..	...	..	...
Kapuskasing	9	49.792	..	...	..	...	9	8.137	..	...
Lake Erie	..	...	..	...	..	...	1	.21	..	...
Lake Huron	..	...	..	...	..	...	1	.50	..	...
Lindsay	1	1.0	..	...	..	...	1	1.0	..	...
North Bay	28	3.01	1	.24	..	...	28	.0	..	...
Parry Sound	8	3.75	..	...	..	...	..	...	..	...
Pembroke	3	1.637	..	...	..	...	2	.706	..	...
Port Arthur	..	...	..	...	..	...	1	.20	..	...
Sioux Lookout	4	.30	..	...	..	...	6	1.66	1	.0
Sudbury	11	2.637	1	.35	1	.30	5	1.442	..	...
Swastika	4	1.342	..	...	..	...	5	1.708	..	...
White River	1	.44	..	...	..	...	..	...	..	...
Totals	71	64.638	3	1.39	1	.30	59	15.563	1	.0

LAND FOR SPECIAL USE

The fiscal year ending March 31st, 1969.

Administrative District	No.	Sales Acres	Cancellations No.	Cancellations Acres	Assignments No.	Assignments Acres	No.	Patents Acres	Quit Claim Deeds No.	Quit Claim Deeds Acres
Chapleau	5	828.937	..	...	..	...	4	39.364	..	...
Cochrane	2	.90	..	...	..	...	7	163.53	..	...
Fort Frances	10	210.74	..	...	..	...	7	178.91	..	...
Geraldton	5	33.589	..	...	..	...	11	192.589	..	...
Gogama	1	6.38	..	...	..	...	..	...	..	...
Kapuskasing	2	1.04	..	...	..	...	5	3.55	..	...
Kemptville	1	1.9	..	...	..	...	2	24.69	1	25.0
Kenora	18	109.265	1	.58	1	.22	23	128.422	..	...
Lake Erie	1	.17	..	...	..	...	3	.70	2	.78
Lake Huron	1	2.481	..	...	..	...	4	91.491	..	...
Lake Simcoe	1	146.0	..	...	..	...	3	149.752	1	35.0
Lindsay	5	33.266	1	79.81	..	...	6	55.157	3	21.99
North Bay	5	81.207	..	...	..	...	6	1,359.877	..	...
Parry Sound	1	30.645	..	...	..	...	14	83.453	..	...
Pembroke	7	204.183	..	...	..	...	8	150.18	..	...
Port Arthur	2	29.6	..	...	..	...	..	...	..	...
Sault Ste. Marie	8	45.513	..	...	..	...	7	342.249	..	...
Sioux Lookout	16	24.268	..	...	..	...	10	16.02	..	...
Sudbury	8	785.792	..	...	..	...	10	140.98	..	...
Swastika	3	194.71	..	...	..	...	3	194.71	..	...
Tweed	11	487.508	2	386.0	..	...	9	483.31	3	163.6
White River	2	25.18	..	...	..	...	2	4.09	..	...
Totals	125	3,283.274	4	466.39	11	.22	144	3,803.024	10	246.37

LICENSES OF OCCUPATION

The fiscal year ending March 31st, 1969.

Administrative District	Licences		Cancellations	
	No.	Acres	No.	Acres
Chapleau	..	..	1	250
Cochrane	3	8	2	98
Fort Frances	1	2	2	..
Geraldton	5	20	5	42
Kapuskasing	..	..	1	183
Kemptville	1	1	1	5
Kenora	4	75	8	122
Lake Erie	5	35	5	452
Lake Huron	1	1	1	2
Lake Simcoe	9	6	3	1
Lindsay	1	9	1	11
North Bay	5	1,164	5	1,116
Parry Sound	6	3	3	512
Pembroke	4	26	2	22
Port Arthur	1	7	4	184
Sault Ste. Marie	3	149	5	3,381
Sioux Lookout	4	30	5	43
Sudbury	2	155	3	161
Swastika	1	3	1	158
Tweed	4	1,870	3	1,865
White River	1	11	1	1
Totals	61	3,575	62	8,609

LEASES

The fiscal year ending March 31st, 1969.

Administrative District	Leases		Cancellations	
	No.	Acres	No.	Acres
Cochrane	1	3	1	3
Fort Frances	2	11	1	4
Geraldton	2	2	1	1
Kapuskasing	2	18	..	..
Kemptville	1	1	1	245
Kenora	2	3	4	14
Lake Erie	30	7	44	8
Parry Sound	1	..	3	13
Pembroke	27	26	28	53
Port Arthur	1	4	1	4
Sault Ste. Marie	2	2	4	12
Sioux Lookout	2	5	2	34
Sudbury	..	..	1	6
Swastika	1	22	2	5
Tweed	4	38	..	..
White River	3	209	1	13
Totals	81	351	94	415

LAND USE PERMITS ISSUED FROM APRIL 1st, 1968 to MARCH 31st, 1969.

Administrative District	Hunt Camp No.	Hunt Camp Acres	Trapper's Camp No.	Trapper's Camp Acres	Residence No.	Residence Acres	Agricultural No.	Agricultural Acres	Marsh Hay No.	Marsh Hay Acres	Mill Site No.	Mill Site Acres	Sugar Bush No.	Sugar Bush Acres	Boat Houses No.	Boat Houses Acres	Miscellaneous No.	Miscellaneous Acres	Departmental Houses No.
Chapleau	70	69	67	66	89	87	..	..	..	..	11	132	..	..	4	5	37	3,970	141
Cochrane	123	94	7	5	32	35	1	10	7	250	7	90	..	..	3	3	33	3,621	77
Fort Frances	11	9	43	42	5	3	..	..	..	..	15	175	..	..	35	4	29	1,138	122
Geraldton	29	24	44	43	65	43	..	..	..	..	..	..	..	..	13	1	84	10,121	115
Kapuskasing	80	34	29	22	9	7	2	90	12	230	10	238	..	..	5	1	56	4,327	121
Kemptville	7	7	..	..	..	..	1	225	..	..	..	..	..	..	..	..	1	1	50
Kenora	6	6	54	54	11	7	1	5	2	50	13	52	..	..	20	4	67	1,802	116
Lake Erie	..	..	..	..	1	1	4	289	..	..	..	..	..	..	92	9	1	5	88
Lake Huron	..	..	..	..	..	..	6	392	..	..	..	..	..	..	..	..	..	..	55
Lake Simcoe	2	2	..	..	6	3	..	..	3	370	..	..	..	..	6	1	2	3	198
Lindsay	282	275	..	..	9	5	..	..	3	200	1	5	..	..	15	2	7	22	160
North Bay	242	241	5	5	19	15	5	258	5	225	10	57	2	80	37	7	40	2,645	160
Parry Sound	524	521	10	8	22	15	1	50	2	25	3	12	4	200	31	5	42	472	114
Pembroke	275	272	..	..	16	10	..	..	..	..	15	259	..	..	6	2	16	155	73
Port Arthur	31	64	13	28	4	4	1	480	..	..	4	52	..	..	1	..	31	916	127
Sault Ste. Marie	88	84	32	32	6	4	..	..	3	115	18	53	4	230	2	1	31	631	109
Sioux Lookout	34	32	122	123	66	61	1	3	..	..	11	55	..	..	8	4	67	6,581	231
Sudbury	345	345	29	29	41	33	6	145	10	345	11	131	2	70	77	8	27	4,438	240
Swastika	58	61	6	6	27	20	12	265	4	95	13	156	..	..	13	1	27	730	33
Tweed	479	475	..	..	4	4	1	5	3	110	2	15	..	..	14	3	26	898	82
White River	10	8	5	6	16	9	..	..	..	..	2	51	..	..	2	58	686	191	
Totals:	2,696	2,623	466	469	448	366	42	2,217	54	2,015	146	1,533	12	580	384	58	682	43,163	2,603

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20, 20A*	Territorial Series	Electoral 33A	Misc.	Total	Provincial Topographical Series	National Topographical Series	Grand Total
1947	3,650	7,378	141	5,475	16,644	.....	10,535	27,179
1948	1,975	7,373	25	1,774	11,147	.....	11,215	22,362
1949	4,800	8,169	169	3,391	16,529	.....	15,241	31,770
1950	1,896	7,560	152	6,827	16,435	.....	17,013	33,448
1951	2,814	6,730	61	4,453	14,058	.....	21,435	35,493
1952	2,096	9,426	311	4,509	16,342	3,925	20,214	40,481
1953	1,990	8,156	207	5,271	15,624	2,242	30,310	45,934
1954	2,734	9,254	64	5,976	18,028	9,596	24,863	52,487
1955	3,045	12,137	250	9,832	25,264	14,223	34,060	73,547
1956	2,113	10,475	839	2,712	16,139	12,928	35,676	64,743
1957	2,212	11,687	190	13,845	27,934	16,036	33,977	77,947
1958	1,831	12,592	126	2,726	17,275	17,720	44,328	79,323
1959	2,435	9,071	259	11,310	23,075	21,458	47,329	91,862
1960	1,285	9,728	320	9,543	20,876	25,357	43,534	89,767
1961	1,333	6,906	142	8,435	16,816	26,111	36,993	79,920
1962	2,523	10,755	503	19,084	32,865	33,018	45,848	111,731
1963	1,194	11,215	193	9,517	22,119	21,842	47,712	91,673
1964	652	8,255	313	9,503	18,723	9,525	34,160	62,408
1965	651	9,152	257	6,651	16,711	7,060	35,210	58,981
1966	586	9,881	135	14,526	25,128	2,543	39,697	67,368
1967	664	8,654	4,849	13,033	27,200	6,157	40,854	74,211
1968	766	8,443	2,094	12,785	24,088	8,931	49,734	82,753
1969	503	7,826	718	7,140	16,187	19,147	54,479	89,813

RETRACEMENT SURVEYS

In years ending March 31st

Year	MILES
1958	70
1959	50
1960	118
1961	170
1962	325
1963	290
1964	235
1965	321
1966	385
1967	313
1968	280
1969	270

INSTALLED CAPACITY IN HORSE-POWER

Of All Plants Under Crown Lease
In years ending March 31st

Year	H. P.
1958	2,767,890
1959	3,796,190
1960	4,327,490
1961	4,380,490
1962	4,500,490
1963	4,500,490
1964	4,654,820
1965	4,673,420
1966	4,861,420
1967	5,049,420
1968	5,273,420
1969	5,441,420

NEW POLICIES

[illegible]

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957, and Chief, Law Branch, on July 28, 1966.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$25.60 per square mile is the same as the fire protection charge on Crown timber licensed areas.

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; frogs; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

LAW BRANCH

Chief: G. H. FERGUSON, Q.C.

SOLICITORS:

W.E.D. Peters

W. J. Obelnycki

PATENTS OFFICE

Supervisor: A. E. B. Armstrong

SECRETARY

Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27, 1961).

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

THE FRESHWATER FISH MARKETING ACT (ONTARIO), 1968-69 complements the Freshwater Fish Marketing Act (Canada). Through these Acts and the federal-provincial agreement, the Freshwater Fish Marketing Corporation established under the Federal Act is the sole purchaser of commercial fish, as defined in the Federal Act, taken in that part of Ontario designated in the regulations, i.e., that part of Ontario westerly of longitude 86° except the Territorial District of Rainy River but including that part of Lake of the Woods in the Territorial District of Rainy River. Sales to and purchases by persons for their own consumption or for consumption by persons or animals in the course of the purchaser's business are excepted. The Act came into force on August 1, 1969.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT, 1968 applies to the 20 fire districts set up by regulation. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season (to start fires in a fire district) except for fires set out for cooking or warmth, and to ignite fireworks in or within 1000 feet of a forest or woodland. Work permits are required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc., in or within 1000 feet of a forest or woodland. Areas may be established as restricted fire zones in which fires will be restricted to portable stoves and barbecues or as restricted travel zones in which a permit will be required except on public roads, cities, towns, villages, police villages, supervised camping grounds and waters adjacent thereto or emergency areas in which the Minister may make orders for the safety and evacuation of persons. The Minister may enter into agreements with Canada, any province, any federal or provincial agency and a municipality respecting the prevention and control of forest fires. The regulations establish fire precautions. This Act came into force on April 1, 1969.

THE FOREST TREE PEST CONTROL ACT, 1969 provides for the control of outbreaks of forest tree insects and diseases on private lands. This Act came into force on April 1, 1969.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots; (5) The administration of roads on Crown lands including the designation of public forest roads and agreements with occupiers of private forest roads respecting the use by the public of private forest roads.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment. His decision is subject to appeal to a judge of the Supreme Court.

THE SURVEYORS ACT, 1968-69 deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management. This Act came into force on January 1, 1970.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with;- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene,

Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste Marie, Southampton, Toronto, Whitby and Windsor.

THE ONTARIO GEOGRAPHIC NAMES BOARD ACT, 1968. This Act provides for the establishment of a geographic names board for Ontario having the duty to gather information respecting names of places and geographical features, make recommendations thereon, collaborate with the Canadian Permanent Committee on Geographic Names and provide information to government departments, etc. The Minister may approve a recommended name and thereupon it shall be used by all government departments and agencies in the preparation of maps and other publications. This Act came into force on April 1, 1969.

THE BEDS OF NAVIGABLE WATERS ACT (Sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

OPERATIONS BRANCH

THE LOGGERS' SAFETY ACT, 1962-63, establishes safety standards in logging operations, requires returns and provides for penalties.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Parks may be classified as a natural environmental park, a nature reserve park, a primitive park, a recreational park, a wild river park or otherwise and may be zoned with controlled use in zones.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interest existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$10.00 for the season. Campsite charges are \$2.50 per day. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.) Overnight camping charges are \$1.00 per day or \$5.00 for two weeks on unorganized campsites in park interior.

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Under this Act, which was passed on March 26, 1959, 39 areas are set apart by the regulations.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown Timber on the licensed area when tenders are called, or in a salvage operation, or where the stumpage charges are less than \$2,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a license is granted to him to fill his requirements for an operating season.

Basic Crown dues, forest protection charges and management charges are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides, that with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODLANDS IMPROVEMENT ACT, 1966, provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides a lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada, \$ 500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.
- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH.

By an exchange of letters of the Deputy Minister of Lands and Forests dated May 7, 1968 and the Deputy Minister of Forestry dated May 24, 1968, it was agreed that the forestry research projects of the departments would be co-ordinated through the planning of a committee to be known as the Canada-Ontario Joint Forestry Research Committee whose terms of reference are to co-ordinate the planning of the forestry research programmes of the Ontario Regional Establishment of the federal department and the Research Branch of the provincial department by reviewing the needs of forest management in Ontario and by recommending appropriate research programmes to be undertaken by the two research organizations and to co-ordinate the execution of forest research programmes of the two organizations by reviewing the progress of approved programmes and by facilitating their conduct. Each Deputy Minister will appoint up to four members. The committee should elect a chairman and establish its rules of procedure and establish a two-member executive, one from each department, to expedite action on the recommendations of the joint committee. The committee also has authority to establish an advisory committee with representatives from the forest industry, universities and other appropriate agencies.

5. WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by agreements dated 28th October, 1960, and 12th July, 1967.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$145 a month subject to deductions for non-reporting of weather observations.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional Lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have prior approval of the the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from lands are received by the Minister and on termination or expiry of the expenses less the revenues, without interest. If there is an excess, it shall be paid of the Commission without interest. The agreement is to be reviewed following April 1, 1963 and every second year thereafter.

9. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters between the Minister of Fisheries dated October 23rd, 1967 and the Minister of Lands and Forests dated November 7th, 1967, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed to amend the existing areas of responsibility for fisheries research in the Great Lakes as follows:

Canada will assume the responsibility for:

1. Lamprey research and control programmes in the Great Lakes.
2. Such studies in Ontario waters as may be recommended by the Federal-Provincial Committee for Ontario Fisheries, subject to availability of personnel and funds.
3. A general research programme on eutrophication.

4. Technological research related to the development of new products and of new techniques for handling, packaging, preparing, and storing freshwater fisheries products.
5. Economic studies of Ontario fisheries upon request by provincial authorities, subject to the limitations of staff and budget.
6. The administration of federal fish inspection legislation within the Province and assist the provincial authorities in the administration of provincial fish inspection regulations.

Ontario will assume responsibility for:

1. General fisheries research in support of its fisheries management responsibilities in all Ontario waters.
2. Co-operation with the federal programme on eutrophication by making small lakes available for experimental work if mutually satisfactory arrangements can be made. The research required to provide solutions to local eutrophication problems in specific waters will remain the responsibility of Ontario.
3. Gathering, summarizing and analyzing sport and commercial fisheries statistics.
4. Fish culture programmes in the province (professional and technical officers of the Federal Government competent in this field will be made available for consultation or assistance upon request).

Canada agreed to co-operate with Ontario on a cost-sharing basis in projects proposed by Ontario in developments of the industrial fishery such as exploratory fishing, gear and boat development, fish farming, handling, processing and distribution or marketing of fisheries products; on the basis that priorities are considered by the Industrial Development Subcommittee and funds are available.

10. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified

qualifications and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.

11. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

12. PREVENTION AND CONTROL OF FIRES ON INDIAN RESERVES

An agreement dated the 24th day of June, 1968 between Ontario as represented by the Minister of Lands and Forests and Canada as represented by the Minister of Indian Affairs and Northern Development, Ontario will continue to provide the same prevention and detection services to Indian reserves as are provided to adjacent public lands. Canada shall pay to Ontario on or before May 1st in each year 4¢ for each protected acre. This agreement is subject to five-year reviews.

13. RE-CONSTRUCTION OF CRAB LAKE DAM

By an agreement dated October 15, 1968, between Canada as represented by the Minister of Transport and Ontario as represented by the Minister of Lands and Forests, Canada was given a right to re-construct or re-build the dam on Crab Lake in Sherborne Township to an elevation of eleven feet six inches above the sill of the old dam, i.e., ten feet above the sill of the new dam. Canada has the right to regulate the dam and Ontario agreed to indemnify Canada against claims arising out of the raising of the waters to not more than ten feet above the sill of the new dam.

14. FRESHWATER FISHERIES

By an agreement dated August 11, 1969 between Canada as represented by the Minister of Fisheries and Forestry and Ontario as represented by the Minister of Lands and Forests, Ontario agreed to grant authority to the Freshwater Fish Marketing Corporation to exercise powers of regulation in relation to the marketing of commercial fish taken in the part of Ontario designated in regulations made under The Freshwater Fish Marketing Act (Ontario), 1968-69. Ontario agreed to pay not more than \$5000 in respect of the initial operating and establishment expenses of the corporation. Ontario also agreed to pay Canada 5% of any losses incurred by Canada from guarantees given by Canada to banks of fishermen's loans and from loans made directly by Canada. Ontario also undertook to make arrangements to pay the owner of any plant or equipment in the designated area used in storing, processing or otherwise preparing fish for market, compensation for any such plant or equipment that will or may be rendered redundant by reason of any operations authorized to be carried out by the corporation.

15. OWNERSHIP OF THE BED OF THE WELLAND RIVER IN THE VILLAGE OF PORT ROBINSON

By an exchange of letters between the Deputy Minister of Lands and Forests and the President of the St. Lawrence Seaway Authority, dated January 14 and February 4, 1970, respectively, it was agreed that the portions of the bed of the Welland River being Parcel 2 on Plan M8 and Parcel 48 on Plan M10 in the Land Titles Office for the County of Welland are owned by the authority and Lot 51 on Plan M7 in the Land Titles Office is owned by the province. It was further agreed to exchange the bed of the diversion of the river for the bed of the diverted portion of the river upon the completion of the diversion.

NEW POLICIES

OPERATIONS BRANCH

At the re-organization of the Department in June, 1941, the Division of Operation and Personnel was established as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

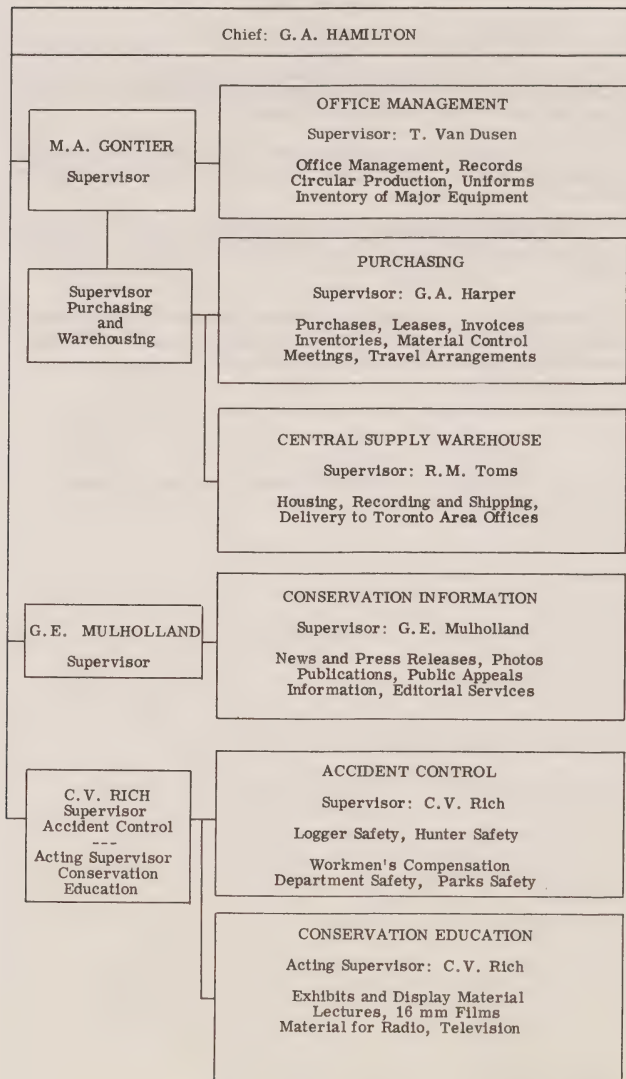
P. O. Rhynas was transferred from the Department of Labour to organize an efficient concentration of services as Chief of the new Division.

Operations was formed as a Division on December 1, 1957, with the separation of Personnel, and re-named Branch on December 1, 1959.

The sixth section, Accident Control, was formed when the Department assumed responsibility for the administration of The Loggers' Safety Act on November 20, 1964.

G.A. Hamilton was appointed Chief on February 1, 1969.

OPERATIONS BRANCH



HUNTER SAFETY TRAINING PROGRAM*

Year	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		
	at December 31	Yearly	To Date	Non Fatal	Fatal	Total
1957	369	281	281	...	..	...
1958	1,433	1,668	1,949	...	..	...
1959	2,690	2,780	4,729	...	..	...
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965	3,075	17,577	102,611	100	11	111
1966	2,500	19,342	121,953	117	13	130
1967	1,741	16,349	138,302	99	13	112
1968	904	9,645	147,947	86	10	96
1969**	1,142	12,957	160,904	116	13	129

CAUSES OF ACCIDENTS IN 1968

INTENTIONAL DISCHARGE:

	%age of Total
Victim mistaken for game.....	14
Victim out of sight of shooter.....	17
Victim covered by shooter swinging on game.....	8
Victim moved into line of fire.....	6
Sub-total...	45

UNINTENTIONAL DISCHARGE:

Shooter tripped or stumbled.....	11
Trigger caught on brush, clothing, etc.....	6
Defective weapon.....	10
"Horseplay".....	2
Loading and Unloading.....	6
Crossing fence, etc., with loaded weapon.....	3
In vehicle with weapon loaded.....	7
Removing from or placing in vehicle.....	1
Weapon fell from insecure rest.....	2
All other circumstances.....	7
Sub-total...	55

*Mandatory for new hunters since September 1st, 1960.

**Preliminary Report. Accident totals are subject to correction.

WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944	\$	\$	\$	\$ 12,850	98	\$...
1945	.....	.....	.....	14,540	120	...
1946	.....	.....	.....	14,249	129	...
1947	.....	.....	.....	21,560	182	...
1949	.....	.....	.....	35,989	494	...
1950	.....	.....	.....	50,989	501	...
1951	.....	.....	.....	43,951	394	...
1952	.....	.....	.....	54,158	368	...
1953	.....	.....	.....	51,169	417	65
1954	.....	.....	.....	64,693	494	78
1955	.....	.....	.....	63,357	455	69
1956	.....	.....	.....	106,962	910	78
1957	.....	.....	.....	85,159	588	80
1958	.....	.....	.....	101,376	727	77
1959	.....	.....	.....	132,572	874	98
1960	.....	.....	.....	150,709	687	139
1961	.....	.....	.....	130,210	649	106
1962	16,531	.....	.....	120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96
1966	2,433	11,382	2,489	144,673	567	118
1967	3,083	19,026	9,396	171,315	588	159
1968	8,257	27,876	9,292	216,785	716	200
1969	1,309	26,236	10,141	248,381	759	187

* Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

ILLUSTRATED PUBLIC LECTURES in years ending March 31st.

YEAR	MEETINGS			ATTENDANCE				Average Attendance
	School	Public	OFA*	Total	School	Public	OFA*	
1946-55	7,748	9,177	3,995	20,920	756,384	797,858	580,714	2,134,956
1956	1,076	1,402	703	3,181	90,540	107,746	56,394	254,680
1957	1,261	1,710	674	3,645	93,672	127,174	68,758	289,604
1958	972	1,708	538	3,218	67,013	97,334	68,832	233,179
1959	831	2,196	409	3,436	68,146	124,703	40,430	233,279
1960	1,094	2,715	484	4,293	92,794	158,682	61,056	312,532
1961	1,026	3,198	401	4,625	80,015	187,686	48,756	316,457
1962	808	2,533	406	3,747	63,957	164,119	58,442	286,518
1963	771	2,266	374	3,411	60,788	165,017	46,860	272,665
1964	877	2,095	398	3,370	72,773	159,968	42,267	275,008
1965	949	2,165	220	3,334	91,184	145,965	15,915	253,064
1966	1,091	1,694	297	3,082	100,555	120,492	19,721	240,768
1967	786	1,790	1,069	3,645	81,389	128,113	29,965	239,467
1968	892	1,380	836	3,108	96,371	113,423	29,254	239,048
1969	855	1,308	987	3,150	89,970	137,069	21,175	248,214
Total:	21,037	37,337	11,791	70,165	1,905,551	2,735,349	1,188,539	5,829,439
								83

*Lectures given by Ontario Forestry Association.

INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

Years Ending 31st March	No. Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	ADVERTISEMENTS				PUBLI- CATIONS	Tons of Supp- lies	PRINTED MATERIAL			Publi- cations
					* Letters of Enquiry Answered	Adminis- tration	Conser- vation	Licences			Parks Permits			
1947	25	.....	.....	8	4,200	508	65	53	...	...	.....	.....	.....	.....
1948	26	.....	.....	13	6,900	...	..	53	...	...	.....	.....	.....	.....
1949	28	.....	.....	15	7,700	130	57	72	150	701,450	.....	.....	.....	.....
1950	28	.....	1,800	38	8,065	60	44	72	160	774,470	.....	.....	.....	.....
1951	38	.....	1,800	64	7,200	127	43	72	170	802,900	.....	.....	.....	.....
1952	56	.....	1,800	64	8,100	57	39	56	175	868,300	.....	.....	.....	.....
1953	73	750	2,100	68	9,000	74	27	55	176	910,480	.....	.....	.....	.....
1954	89	750	1,800	75	9,000	57	36	72	200	1,005,000	.....	.....	.....	.....
1955	119	750	3,500	75	7,000	103	45	87	470	1,055,299	.....	.....	.....	.....
1956	159	1,000	4,500	75	8,400	99	55	84	...	1,120,654	.....	.....	.....	.....
1957	178	1,500	6,000	75	10,800	112	53	92	488	1,154,000	.....	.....	.....	.....
1958	208	1,500	9,000	75	14,600	93	52	109	350	1,212,920	271,600	.....	.....	.....
1959	226	1,800	9,200	75	21,010	139	54	116	218	1,279,067	300,000	1,941,819	.....	.....
1960	226	1,900	9,000	75	26,000	140	55	133	377	1,260,917	300,000	2,124,688	.....	.....
1961	234	2,000	9,000	75	29,200	50	49	136	308	1,363,712	689,000	1,155,151	.....	.....
1962	250	3,000	9,000	75	30,000	52	44	169	253	1,392,043	825,900	1,196,414	.....	.....
1963	266	3,700	9,000	75	30,300	150	50	84	228	1,432,902	1,000,850	1,442,523	.....	.....
1964	260	3,800	9,200	75	32,000	178	50	102	247	1,542,810	1,057,730	1,918,841	.....	.....
1965	255	3,800	9,200	75	33,000	161	50	109	246	1,581,980	1,125,725	2,211,227	.....	.....
1966	255	4,200	9,500	75	34,500	146	30	116	217	1,669,084	1,058,325	2,082,753	.....	.....
1967	233	4,700	9,500	75	35,300	228	30	112	...	1,756,000	851,800	2,281,501	.....	.....
1968	255	5,200	9,500	80	35,900	225	20	95	244	2,000,000	851,800	3,079,264	.....	.....
1969	257	5,500	9,500	80	36,200	171	20	98	260	2,100,000	851,700	3,273,517	.....	.....
*Information supplied by mail.														

*Information supplied by mail.

LANDS AND FORESTS PUBLICATIONS

as of December 31, 1969

(Technical papers and management reports are not included.)

Code

FW FISH AND WILDLIFE	
1	Sport Fishes of Ontario (wall chart) \$1.00
2	Commercial Fishing in Ontario
3	Wildlife Land Management for Ontario Landowners
4	Summary of the Ontario Regulations which apply to Trapping and Fur Dealing
5	Fur in Ontario
6	Meet the Wildlife of Ontario's Outdoors 0.35
7	The Fisheries of Lake Simcoe 1.00
8	The Game and Fish Act and the Ontario Fishery Regulations
9	Summary of the Ontario Fishery Regulations
10	Summary of the Ontario Big Game Hunting Seasons
11	Wolves and Coyotes in Ontario
12	Summary of the Ontario Hunting Regulations
13	The White-Tailed Deer in Ontario
14	The Lake Sturgeon
15	Ontario Snakes
16	Fishes of Ontario 2.50
OR OUTDOOR RECREATION	
1	The Ontario Outdoorsman's Manual. 0.25
2	Let's Go Fishing
3	Hunter's Handbook, Part I
4	Hunter's Handbook, Part II
5	How to Qualify for a Hunting Licence in Ontario
6	The Ten Commandments of Hunter Safety
7	Why Hunter Safety Training?
8	How to Survive in the Woods
PP PROVINCIAL PARKS	
1	Provincial Parks of Ontario
2	Algonquin Provincial Park
4	Canoe Routes---Quetico
5	Quetico Provincial Park
7	Canoe Routes---North Georgian Bay Recreational Reserve
F FORESTS	
1	The Forest Trees of Ontario 0.50
2	Hardwood Trees of Ontario with Bark Characteristics 0.50
3	The Forest Resources of Ontario
4	Growing Christmas Trees in Ontario
5	Farm Forestry Service for You
6	Forestry Assistance to Private Landowners in Ontario
7	Planning for Tree Planting
8	Care and Planting of Forest Trees
9	The Farm Woodlot. 0.50
10	The Farm Windbreak
11	Forest Tree Planting 0.50
12	The Crown Timber Act, etc.

FP FOREST PROTECTION

- 2 Tower Jack
- 3 The Forest Fires Prevention Act

FI FOREST INDUSTRY

- 1 Lumber in Ontario
- 5 Directory of Primary Wood-Using Industries in Ontario
- 6 Manual of Scaling Instructions
- 7 The Loggers' Safety Act
- 8 A Condensation of the Report of the Forestry Study Unit, 1967 \$ 1. 50
- 9 Directory of Secondary Wood-Using Industries in Ontario

LW LAND AND WATER

- 2 Geographic Townships in the Province of Ontario \$ 0. 50
- 3 Ontario Resources Atlas (maps in Colour) 1. 00
- 4 Summer Cottage Lands in Ontario
- 5 Price List of Lithographed Maps and Plans

R RESEARCH

- 1 The Glackmeyer Report of Multiple Land-Use Planning \$ 4. 00
- 2 Manual of Common Parasites, Disease and Anomalies of Wildlife in Ontario. 4. 00

A ADMINISTRATION

- 1 Annual Report of the Minister of Lands and Forests
- 2 Statistics
- 4 Ontario Junior Forest Ranger Programme
- 5 Publications
- 6 Department of Lands and Forests

H HISTORY

- 1 Algonquin Story \$ 2. 50
- 6 Fifty Years of Reforestation in Ontario. 0. 50
- 9 Brochure on "Renewing Nature's Wealth"

FDH FOREST DISTRICT HISTORIES

- | | | |
|-----------------|----------------|---------------------|
| 1 Kapuskasing | 9 Lake Erie | 17 Kemptville |
| 2 Geraldton | 10 Kenora | 18 Lindsay |
| 3 Lake Huron | 11 Gogama | 19 Tweed |
| 4 Port Arthur | 12 Parry Sound | 20 Sault Ste. Marie |
| 5 White River | 13 North Bay | 21 Sudbury |
| 6 Sioux Lookout | 14 Cochrane | 22 Pembroke |
| 7 Lake Simcoe | 15 Swastika | |
| 8 Fort Frances | 16 Chapleau | |

RENEWING NATURE'S WEALTH, a Centennial History of the Public Management of Lands, Forests and Wildlife in Ontario, was published by the Department of Lands and Forests in 1967. It may be purchased at \$9. 50 per copy at book stores or from the distributors : Copp Clark Publishing Company, 517 Wellington Street West, Toronto 135, Ontario.

NEW POLICIES

[illegible]

PARKS BRANCH

Provincial Parks have been in existence in Ontario since 1893, during which period they were managed by several government agencies. The Division of Parks was established on October 1, 1954 and was renamed Parks Branch in 1959. W. B. Greenwood was its first Chief. A. B. Wheatley was appointed Chief on April 1, 1961, and upon his retirement, D. R. Wilson was appointed Chief on May 1, 1968. P. Addison was appointed Chief on January 1, 1967 as Mr. Wilson was appointed Director of the Southern Region.

In 1965, the Branch was enlarged and re-organized into three sections: Recreational Planning, Park Planning and Development, and Park Management.

In 1967, the responsibility for access points, wilderness areas, canoe routes and hiking trails was transferred from Lands and Surveys to Parks Branch.

A park classification and park land zoning system was also adopted in 1967 to facilitate rational planning and development and to promote public understanding and enjoyment of the variety of parks within the system. The five park classes are: Primitive Park, Natural Environment Park, Wild River Park, Recreation Park, and Nature Reserve Park. Park zones are: Primitive Zone, Natural Zone, Multiple Use Zone, Historical Zone, and Recreation Zone.

Waterfowl hunting and pheasant hunting on a put-and-take basis are provided in certain parks and are well received by the public. Waterfowl hunting is provided in Darlington, Holiday Beach, Long Point, Presqu'ile and Rondeau parks. Pheasant hunting is provided at Darlington, Earl Rowe, Presqu'ile and Sibbald Point parks. Moose and deer hunting are permitted in season in Bruton and Clyde Townships in Algonquin Park and in Lake Superior Park.

To extend the use of provincial parks, facilities have been provided for winter activities such as skating at Darlington Park as well as skating, skiing and tobogganing at Pinery. Winter camping and snowmobile trails were introduced for the first time at Pinery, Arrowhead and Sibbald Point Parks. In addition three cross-country snowmobile trails totalling 65 miles were developed in Lake Simcoe and Parry Sound Districts.

The establishment and maintenance of boat launching and vehicle parking facilities on Crown lands outside of Provincial Parks ensures public access to many major water systems in Ontario and will supplement similar facilities provided in Provincial Parks. During 1968, improvements and maintenance were carried out on 475 existing sites, and 32 new sites were developed at various locations across the Province.

The program of documenting, mapping and improving portages on a number of major canoe routes was undertaken in order to provide the information being requested by the public for wilderness canoe areas outside Provincial Parks.

Development to accommodate hikers included picnic and parking facilities in the Larose, Limerick, Lanark, Ganaraska and National Capital Commission Agreement Forest Areas, plus the construction of three overnight trail shelters along the route of the Bruce Trail.

PARKS BRANCH

Chief: P. ADDISON

RECREATIONAL PLANNING

Supervisor: J.W. Keenan

Long Range Planning for Parks
and Related Public Recreational Areas
and Activities

PARKS PLANNING AND DEVELOPMENT

Supervisor: R.H. Hambly

Detailed Master Plans for Parks
and Control of All Park Development
According to Approved Design

PARK MANAGEMENT

Supervisor: W.H. Charlton

Establishment and Control of Standards
of Park Operations, and Supervision
of Operating Expenditures and Revenue

Establishment, Operation and Maintenance
of Interpretive Programs
(Museums, Exhibit Centres, Publications,
Illustrated talks and Conducted Trips)

Establishment, Operation and Maintenance
of Canoe Routes, Hiking Trails,
Access Points and Wilderness Areas

Secretary to

ONTARIO PARKS INTEGRATION BOARD

C.R. Tilt

PUBLIC USE OF PROVINCIAL PARKS

Year	Camper-Days	Campers	Wilder- ness Campers	Vehicles	Total Visitors
1957	.....	116,000	.....	629,666	2,114,661
1958	.....	196,000	16,309	927,871	3,232,460
1959	.....	340,000	50,403	1,420,180	5,127,199
1960	.....	421,000	35,778	1,552,662	5,692,978
1961	.....	613,000	57,992	1,725,876	6,215,370
1962	.....	750,000	46,753	2,182,363	7,820,994
1963	.....	840,491	49,372	2,373,223	8,526,443
1964	.....	916,281	49,112	2,537,483	9,147,218
1965	2,495,284	902,472	53,653	2,437,988	8,875,668
1966	2,653,055	994,787	52,722	2,738,664	9,791,671
1967	2,805,123	1,155,091	49,957	2,817,362	10,192,533
1968	2,457,801	1,119,912	59,377	2,588,242	9,440,211
1969	2,956,214	1,360,639	*64,200	2,946,228	10,459,936

*Estimated

ATTENDANCE AT INTERPRETIVE PROGRAMS

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
1946	1	3,436	.....	...	...	3,436
1947	1	5,917	.....	...	...	5,917
1948	1	6,854	.....	...	...	6,854
1950	1	.....	6,173	363	1,230	7,766
1951	1	.....	5,390	413	2,343	8,146
1952	2	200	14,341	752	3,017	18,310
1953	2	53,843	12,761	952	6,311	73,867
1954	3	72,889	18,920	1,353	9,714	102,826
1955	3	75,711	25,388	1,927	8,444	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	216,672	38,771	5,782	23,988	286,213
1960	9	298,129	46,679	6,958	24,296	376,062
1961	8	311,291	46,955	7,104	29,626	394,976
1962	12	374,475	55,553	9,748	47,641	487,417
1963	11	371,275	61,647	10,949	51,143	495,014
1964	12	390,792	80,815	10,458	49,235	531,300
1965	19	326,298	81,462	10,515	51,639	469,914
1966	21	392,403	88,004	11,453	53,161	545,021
1967	23	384,666	117,009	20,421	57,754	579,850
1968	23	420,617	114,731	14,123	121,127	661,598
1969	25	447,565	104,688	19,481	202,363	774,097

1969 ATTENDANCE

	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
Algonquin.....	308,214	72,743	4,793	103,753	489,503
Presqu'ile.....	21,392	2,500	1,187	8,441	33,520
Rondeau.....	21,806	.....	1,202	2,696	25,704
Pinery.....	12,358	.....	4,348	9,650	26,356
Inverhuron.....	25,855	.....	.....	.....	25,855
Sibbald Point.....	15,800	.....	975	8,230	25,005
Quetico.....	8,169	2,842	536	3,053	14,600
Killbear Point....	.....	3,493	1,138	5,948	10,579
Grundy.....	.....	1,523	545	4,674	6,742
Sibley.....	.....	2,461	891	2,475	5,827
Lake Superior.....	.....	786	473	3,199	4,458
Darlington.....	3,000	.....	.....	.....	3,000
Serpent Mounds....	18,971	.....	.....	.....	18,971
Petroglyphs.....	12,000	.....	.....	.....	12,000
Other Parks.....	.....	18,340	3,393	50,244	71,977
TOTAL.....	447,565	104,688	19,481	202,363	774,097

GROWTH OF PROVINCIAL PARKS

YEAR	CAMPING		RESERVE AREAS		PROVINCIAL PARKS	
	Parks	Units	No.	Acreage	No.	Acreage
1961	68	10,591	18	201,826	77	3,465,973
1962	72	12,745	14	190,225	81	3,481,158
1963	74	13,951	27	270,503	86	3,696,368
1964	76	14,622	50	559,502	88	3,711,464
1965	80	15,427	55	437,338	89	3,742,160
1966	81	15,922	60	513,112	92	3,747,267
1967	83	16,201	61	530,780	94	3,756,255
1968	83	17,322	71	1,070,886	96	8,425,126
1969	85	18,039	78	1,239,973	97	8,379,596

97 PROVINCIAL PARKS IN OPERATION IN 1969

District Park	Area (Acres)	Regulation and Date Established	Camp Units	Camper- Days	Camper Camps	Total Visitors
CHAPLEAU						
Five Mile Lake.....	1,010	0. Reg. 251/58	85	8,475	4,020	6,674
Ivanhoe Lake.....	3,000	0. Reg. 346/65	144	18,329	6,144	35,910
Missinaibi Lake.....	157,334	.....	.....	4,372	1,190	1,478
Wakami Lake.....	5,928	.....	48	6,813	1,324	11,487
COCHRANE						
Greenwater.....	10,970	0. Reg. 117/63	52	6,401	4,095	15,327
Kettle Lakes.....	2,417	0. Reg. 117/63	130	14,016	6,962	46,236
Tidewater.....	2,860	.....	24	.....	.....	.....
Polar Bear.....	4,544,000	.....	.....	.....	.....	.....
FORT FRANCES						
Caliper Lake.....	246	0. Reg. 204/60	93	11,983	9,046	34,597
Lake of the Woods.....	2,673	0. Reg. 245/67	100	8,198	3,570	23,461
Quetico.....	1,148,800	* See Below	135	21,822	9,399	45,588
GERALDTON						
Blacksand.....	3,353	0. Reg. 204/60	68	6,389	5,016	22,146
Klotz Lake.....	210	0. Reg. 204/60	33	4,863	3,173	9,161
MacLeod.....	200	0. Reg. 117/63	54	10,819	6,908	42,026
Rainbow Falls.....	1,422	0. Reg. 117/63	194	27,842	24,595	75,771
Ney's.....	8,150	0. Reg. 246/65	204	17,484	16,378	56,892
KAPUSKASING						
Nagamisis.....	11,878	0. Reg. 117/63	80	9,252	2,252	8,367
Remi Lake.....	6,654	0. Reg. 320/69	80	9,818	5,374	45,862
KEMPTVILLE						
Fitzroy.....	396	0. Reg. 320/68	255	27,250	17,943	118,951
Rideau River.....	174	0. Reg. 161/64	185	28,209	13,223	190,811
Silver Lake.....	78	0. Reg. 117/63	194	38,850	22,254	72,067
South Nation.....	13	0. Reg. 204/60	28	4,392	3,979	37,814

KENORA

Aaron.....	128	0. Reg. 320/68	Sep 6, 1968	70	11,061	10,631	47,202
Rushing River.....	395	0. Reg. 358/67	Oct 13, 1967	165	37,678	26,309	88,836
Stoux Narrows.....	265	0. Reg. 144/57	Jun 25, 1957	78	5,810	5,810	22,392
Blue Lake.....	873	0. Reg. 245/69	Jun 23, 1969	175	19,936	8,866	26,194

LAKE ERIE

Holiday Beach.....	452	0. Reg. 254/58	Oct 6, 1958	56	6,044	2,788	147,701
Ipperwash.....	146	* See Below		266	95,229	19,310	352,143
Long Point.....	849	0. Reg. 144/57	* Jun 20, 1957	327	57,412	27,581	194,881
Pinery.....	4,850	0. Reg. 110/64	May 19, 1964	1,075	279,510	123,725	842,853
Rock Point.....	190	0. Reg. 320/68	Sep 6, 1968	47	7,297	5,158	47,127
Rondeau.....	11,453	* See Below		433	98,309	32,706	506,257
Turkey Point.....	782	0. Reg. 70/59	Apr 21, 1959	472	22,107	13,049	297,811
John E. Pearce.....	104	0. Reg. 245/67	Jul 11, 1967	.....	.....	.....	.....
Port Bruce.....	5	.....	.....	.....	.....	.....	.....
Wheatley.....	581	.....	.....	127	17,524	7,968	79,588
Selkirk.....	153	0. Reg. 358/67	Oct 13, 1967	165	9,354	5,463	49,270

LAKE HURON

Craigleith.....	133	0. Reg. 245/67	Jul 11, 1967	172	35,356	23,406	74,090
Inverhuron.....	545	0. Reg. 245/67	Jul 11, 1967	324	72,550	25,855	122,071
Sauble Falls.....	427	.....	.....	146	35,427	20,614	142,113
Point Farms.....	555	.....	.....	200	30,761	12,754	119,431
Cyprus Lake.....	1,417	.....	.....	168	11,404	5,212	16,876

LAKE SIMCOE

Bass Lake.....	87	0. Reg. 358/67	Oct 13, 1967	153	45,102	20,758	210,198
Devils Glen.....	28	0. Reg. 346/65	Dec 28, 1965	40	5,771	3,978	49,438
Earl Rowe.....	743	0. Reg. 161/64	Jun 29, 1964	545	85,052	40,231	351,768
Sibbald Point.....	500	0. Reg. 117/63	May 21, 1963	725	97,953	36,266	294,462
Six Mile Lake.....	178	0. Reg. 42/58	Feb 24, 1958	180	34,165	20,641	142,672
Springwater.....	116	0. Reg. 251/58	Sep 29, 1958	.....	.....	.....	67,386
Wasaga Beach.....	292	0. Reg. 179/65	Jul 19, 1965	.....	.....	.....	947,941
Mara.....	99	.....	.....	100	18,450	9,511	49,351

District Park	Area (Acres)	Regulation and Date Established	Camp Units	Camper- Days	Campers	Total Visitors
LINDSAY						
Darlington.....	380	0. Reg. 144/57	400	39,930	26,425	148,602
Emily.....	157	0. Reg. 144/57	275	38,964	16,417	109,336
Mark S. Burnham.....	100	0. Reg. 48/60	.....	.....	.....	15,342
Presqu'ile.....	2,170	* See Below	500	63,632	33,925	276,791
Serpent Mounds.....	70	0. Reg. 144/57	130	46,244	18,491	148,323
Balsam Lake.....	1,040	0. Reg. 320/68	320	50,606	19,740	99,727
Ferris.....	503	.....	.....	.....	.....	.....
NORTH BAY						
Antoine.....	23	.....	29	1,349	769	8,885
Finlayson Point.....	74	0. Reg. 117/63	135	19,635	8,222	57,293
Marten River.....	1,034	0. Reg. 117/63	224	25,187	11,306	67,577
Samuel de Champlain.....	2,220	0. Reg. 358/67	224	17,492	10,026	53,938
PARRY SOUND						
Grundy Lake.....	6,310	0. Reg. 70/59	537	95,420	31,907	175,549
Oastler Lake.....	49	0. Reg. 245/67	170	47,130	17,831	153,279
Killbear Point.....	3,001	.....	939	188,281	40,438	308,733
Mikisew.....	99	0. Reg. 320/68	256	31,286	8,568	54,610
Sturgeon Bay.....	20	0. Reg. 358/67	89	24,290	7,622	34,822
Restoule.....	1,417	0. Reg. 117/63	229	22,508	5,316	24,365
Arrowhead.....	1,652	.....	253	24,514	11,149	65,046
PEMBROKE						
Algonquin.....	1,862,404	* See Below	1,395	265,953	93,991	658,785
Carson Lake.....	15	.....	47	7,906	5,158	5,642
Driftwood.....	655	0. Reg. 117/63	98	14,227	6,418	9,431
Bonnechere.....	253	.....	58	9,992	5,690	8,399
PORT ARTHUR						
Inwood.....	82	0. Reg. 251/58	60	15,173	14,822	61,767
Sibley.....	52,897	0. Reg. 117/63	195	22,552	17,136	55,135
Kakabeka Falls.....	1,030	0. Reg. 245/67	140	35,560	32,742	274,715
Middle Falls.....	11	0. Reg. 204/60	20	4,504	4,443	15,895

SAULT STE MARIE						
Pancake Bay.....	710	0. Reg. 320/68	Sep 6, 1968	278	37,258	28,959
Batchawana.....	33	.....	.....	.....	.....	.....
Mississagi.....	7,124	.....	.....	80	7,876	3,949
						124,051
						19,669
						32,266
SIOUX LOOKOUT						
Pakwash.....	1,507	0. Reg. 245/67	Jul 11, 1967	59	4,085	1,376
Ojibway.....	6,130	0. Reg. 346/65	Dec 28, 1965	72	3,827	1,828
						4,272
						6,927
SUDBURY						
Fairbank.....	85	0. Reg. 144/57	Jun 20, 1957	132	15,276	11,025
Windy Lake.....	293	0. Reg. 88/59	May 4, 1959	76	11,399	6,390
Chutes.....	239	.....	.....	92	17,685	16,008
Killarney.....	84,350	0. Reg. 183/64	Jul 17, 1964	125	12,449	5,307
						70,048
						73,483
						58,819
						58,065
SWASTIKA						
Esker Lakes.....	7,680	0. Reg. 144/57	Jun 25, 1957	136	11,453	4,336
Kap-Kig-Iwan.....	759	0. Reg. 117/63	May 21, 1963	64	5,207	4,163
						27,147
						30,411
TWEED						
Black Lake.....	77	0. Reg. 117/63	May 21, 1963	200	24,378	12,988
Lake on the Mountain.....	256	0. Reg. 144/57	Jun 20, 1957	.....	.....	.....
Lake St. Peter.....	61	.....	.....	60	12,636	6,867
Outlet Beach.....	305	0. Reg. 320/68	Sep 6, 1968	482	93,101	28,304
Sandbanks.....	1,210	.....	.....	.....	.....	.....
Bon Echo.....	14,226	.....	.....	400	57,819	25,665
North Beach.....	66	.....	.....	.....	3,196	1,643
						61,495
					
						26,675
						315,761
						58,299
						138,991
						68,332
WHITE RIVER						
White Lake.....	3,980	0. Reg. 117/63	May 21, 1963	225	34,789	23,018
Obatanga.....	34,240	0. Reg. 245/67	Jul 11, 1967	85	13,161	11,566
Lake Superior.....	340,487	* See Below	.....	355	51,026	43,260
						111,684
TOTAL.....	8,379,596			18,039	2,956,214	1,360,639
						10,459,936

* The first eight Provincial Parks were established as follows: Algonquin in 1893, Rondeau 1894, Quetico 1909, Long Point 1921, Presqu'ile 1922, Ipperwash 1938, and Lake Superior and Sibley in 1944.

78 PROVINCIAL PARK RESERVE AREAS 1969

DISTRICT	AREA	LOCATION
Reserve Area	(Acres)	
CHAPLEAU		
The Shoals	26,600	Cosens, Topham, Peters, Triquet Twps.
COCHRANE		
Pierre-Montreuil	41,728	McQuibban, Swartman Twps.
Long Point Peninsula . .	18,500	Lake Abitibi
Dana Lake	6,400	Carscallen, Keefer, Denton Twps.
Otter Rapids	486	Pitt Twp.
FORT FRANCES		
Warner Lake	7,450	South of Tanner Twp.
Sandpoint Island	1,970	Rainy Lake
Pow-wow Campgrounds .	1,730	Shoal Lake
GERALDTON		
Purgatory Chutes	100	South of Fernow Twp.
Steel River	2,700	Twp. 81
Esnagami River	58,000	Esnagami, Alpha, Rupert Twps.
Partridge Lake	6,500	Legault, Colter Twps.
Lukinto Lake	2,250	South of O'Meara Twp.
Humboldt Bay	73,000	Lake Nipigon
KAPUSKASING		
Lake Nagagami	4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Fushimi Lake	26,775	Fushimi, Bannerman, Stoddart, Hanlan Twps.
KEMPTVILLE		
Murphy's Point	1,161	North Burgess Twp.
Charleston Lake	1,951	Lansdowne Twp.
Carillon	1,714	East Hawkesbury Twp.
Mouth of Tay	165	North Elmsley Twp.
Kilmarnock	82	Montague Twp.
KENORA		
Pipestone	3,560	Lake of the Woods
Pistol Lake	4,000	Minaki Area
LAKE ERIE		
Port Burwell (Iroquois Beach)	380	Bayham Twp.
Low Point	266	Dunne Twp.
Effingham	455	Thorold, Pelham Twps.
LAKE HURON		
P.R. Hilborn	178	Waterloo Twp.
Stokes Bay	545	Eastnor Twp.
LAKE SIMCOE		
Matchedash	6,200	Matchedash Twp.
Methodist Point	2,800	Tiny Twp.
McRae Point	162	Mara Twp.
Scugog Island	277	Scugog Twp.
Duclos Point	160	Georgina Twp.
Noisy River	100	Nottawasaga Twp.
Primrose	1,200	Mulmur, Melancthon Twps.
Allandale, G.R.	83	Innisfil Twp.
LINDSAY		
Red Pine Lake	6,580	Sherborne, Stanhope Twps.
Silent Lake	1,863	Cardiff Twp.
Kawartha Highlands . . .	3,804	Cavendish, Anstruther Twps.
Gull River	20	Sommerville, Laxton Twps.
Wolf Island	464	Harvey Twp.
Kendall Recreation Area	268	Harvey Twp.

NORTH BAY			
W.B. Greenwood	23,000	Coleman, Banting, Best	
Mashkinonje	2,543	Brigstocke Twps.	
Mattawa W.R.	7,253	Haddo Twp.	
		Bonfield, Calvin Twps.	
PARRY SOUND			
McDonald Bay	1,000	Baxter, Gibson Twps.	
O'Donnell Point	2,130	Freeman Twp.	
Round Lake	24,265	Shawanaga, Ferguson, Burpee Twps.	
South Bay	3,936	Nipissing Twp.	
Bigwind Lake	5,400	Oakley Twp.	
Shawanaga Basin	2,560	Shawanaga, Harrison Twps.	
Moon Island	15,000	Conger, Cowper, Freeman Twps.	
PEMBROKE			
Round Lake	570	Richards Twp.	
PORT ARTHUR			
Silver Falls	8,800	Dog Lake	
Kopka Lake	89,650	West side of Lake Nipigon	
Kashabowie Lake	19,130	Kashabowie Lake	
Arrowhead Penn.	850	North Light Lake	
Inwood	1,000	Inwood Twp.	
Eaglehead Lake	750	Eaglehead Lake	
Arrow Lake	100	Arrow Lake	
Quimet Canyon.	1,920	Dorion Twp.	
SAULT STE MARIE			
Aubrey Falls.	17,000	Twp. 4D, Mississaugi River	
Mississagi.	97,100	Twps. U, Q, 1A, 163, 157, 161, 162, 156	
SIOUX LOOKOUT			
Irregular Lake.	370,000	40 Miles SW of Red Lake	
White Otter Lake	60,000	25 Miles NW of Atikokan	
Sandbar.	7,787	Gour and adj.	
SUDBURY			
Wahnipitae Lake.	1,300	Rathbun Twp.	
Halfway Lake.	58,240	Muldrew, Antrim, Athlone, Morse Twps.	
Dividing Lake	19,240	Chester, Invergarry Twps.	
Lacloche Lake	6,200	Harrow Twp.	
SWASTIKA			
McCann	640	McCann Twp.	
TWEED			
Frontenac	8,509	Bedford, Loughborough Twps.	
McKenzie Lake	3,408	McClure Twp.	
Casey Point	81	Kingston Twp.	
Wolfe Island	709	Wolfe Twp.	
WHITE RIVER			
Kawapitapika Lake.	2,800	Cecile, Knowles Twps.	
Kakakiwibik Lake	58,880	Twp. 66, Cooper, Tedder Twps.	
TOTAL	1,239,973		

WILDERNESS AREAS

The Following have been declared wilderness areas under The Wilderness Areas Act of 1959 for the reasons stated.

O. Reg. 281/60 - Filed Oct. 21/60.

1. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
3. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
4. ABITIBI LAKE NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an Old Indian burial ground.
5. OLD FORT ALBANY -- 11 acres in District of Cochrane - This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.

O. Reg. 259/64 - Filed Oct. 5/64

- 5A. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vacinium-mosses, brush-alder, mountain maple and dogwood.

O. Reg. 281/60 - Filed Oct. 21/60.

6. KISHKEBUS LAKE- 332 acres in Barrie Township, Frontenac County -- Area of high aesthetic recreational value.
7. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.
8. CAPE HENRIETTA MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
9. ECHO TOWNSHIP -- 492 acres in Echo Township, District Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout Forest District. It is set aside for silvicultural research, seed production and educational purposes.
10. THE JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
11. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste

La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

12. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

13. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.

14. WHITE OTTER LAKE -- 41 acres in Sioux Lookout District Here is a log castle, perhaps unique, built by Scottish trapper for a bride who never appeared.

15. RONDEAU PROVINCIAL PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.

16. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.

17. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.

18. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.

20. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.

21. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.

22. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.

23. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, *Pellaea glabella*, and Dickie's Fragile Fern, *Cystopteris dickieana*.

24. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

25. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

27. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.

28. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

O. Reg. 268/61 - Filed July 28/61

29. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.

30. THE PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An Area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

31. THE PINERY PROVINCIAL PARK FLOOD-PLAIN -- 25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

32. THE PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.

33. THE PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.

34. PRESQU'ILE ISLANDS -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.

35. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

O. Reg. 35/62 - Filed Feb. 12/62

36. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961.

O. Reg. 251/63 - Filed Sept. 17/63

*37. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

*Re-enacted by O. Reg. 89/64 - Filed Apr. 27/64

O. Reg. 229/64 - Filed Sept. 2/64

38. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

O. Reg. 259/64 - Filed Oct. 5/64

39. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch is the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

O. Reg. 30/66 - Filed Jan. 28/66

40. DERBY LAKE -- 450 acres in Godson Township, District of Kenora to preserve an over-mature stand of white pine.

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with S.H. C. Parsons as Supervisor; it was named Branch on December 1, 1959.

A.J. Herridge was appointed Supervisor on July 20, 1966, and Chief on August 1, 1966.

J.M. Taylor was appointed Chief on January 1, 1967.

Personnel Branch is divided into five sections with duties and responsibilities as follows.

EMPLOYMENT: Recruitment of staff, including Junior Forest Rangers; recruiting activities at universities and technical schools; job advertising; transfers and promotions; establishment and complement control; and assignment of qualified employees to positions.

CLASSIFICATION AND JOB EVALUATION: Ensuring that positions are properly classified and recommending the classification of positions; identifying and recording of organization positions; ensuring that position specifications are produced; classifying positions under the Delegated Authority; developing class series.

TRAINING AND SPECIAL ASSIGNMENTS: Co-ordinating and organizing Department training courses; arranging for employees to attend courses given by outside agencies; liaison with Ontario Forest Technical School and Educational Leave Committee; processing of employee grievances; analyzing Department training needs; and special assignments.

EMPLOYEE RELATIONS: Counselling of employees; improvement of communications between field and head office staffs; investigations of problems relating to personnel; liaison with Staff Relations Branch, Treasury Board and Civil Service Association of Ontario; and maintaining Department program on alcoholism.

OFFICE MANAGEMENT: Documentation of personnel records; attendance reports and leaves of absence recommendations; processing nominations to staff; transfers; separations; group insurance applications and changes; merit increases; accelerated increases; salary revisions; maintaining personnel files for all Regular and Probationary staff and Group 3 Unclassified; providing statistical information at the request of other Branches of the Department.

PERSONNEL BRANCH

Chief: J. M. TAYLOR

EMPLOYMENT

C. H. Bennett

CLASSIFICATION AND JOB EVALUATION

W. W. Tweed

TRAINING AND SPECIAL ASSIGNMENTS

P. Suessmuth

EMPLOYEE RELATIONS

A. Jackel

OFFICE MANAGEMENT

D. G. Grant

NUMBER OF EMPLOYEES
in years ending March 31st

STAFF TURNOVER

Discontinued From
Reg & Prob Staff

Year	Reg- ular	Probat- ionary	Mon- thly	*Cas- ual	Total	**Age	Misc.	Total
1943	304	218	..	339	861	..	..	..
1944	310	268	..	397	975	..	..	..
1945	324	305	..	929	1,558	..	..	..
1946	373	318	..	573	1,264	..	..	..
1947	523	562	..	527	1,612	..	..	..
1949	1,167	196	..	562	1,925	..	..	..
1950	1,352	157	..	580	2,089	..	..	..
1951	1,420	141	..	701	2,262	28	99	127
1952	1,441	181	..	790	2,412	17	122	139
1953	1,518	158	..	680	2,356	19	96	115
1954	1,546	175	..	633	2,354	34	95	129
1955	1,618	142	..	727	2,487	23	94	117
1956	1,611	180	..	655	2,446	36	135	171
1957	1,583	175	..	929	2,687	31	137	168
1958	1,685	134	..	3,209	5,028	26	69	95
1959	1,759	113	..	2,750	4,622	34	58	92
1960	1,946	90	..	1,224	3,260	44	73	117
1961	2,096	121	320	1,734	4,271	38	55	93
1962	2,348	189	44	1,059	3,640	44	79	123
1963	2,368	181	40	701	3,290	58	97	155
1964	2,337	207	36	650	3,230	72	111	183
1965	2,309	193	24	625	3,151	49	244	293
1966	2,281	225	..	985	3,491	39	142	181
1967	2,270	297	..	777	3,344	35	157	192
1968	2,304	490	..	966	3,760	75	136	211
1969	2,486	485	..	904	3,875	72	183	255

*Groups I, II and III. Does not include,
extra fire fighters.

**Retirements, superannuations and deaths.

SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of March 31, 1969.

GROUPS	Head Office*	Field	Total
Agricultural Technicians.....	5	1	6
Air Engineers.....	29	11	40
Biologists.....	26	49	75
Cartographers.....	5	..	5
Clerks.....	194	219	413
Communications Technicians...	9	17	26
Computer Programmer.....	5	..	5
Conservation Officers.....	9	273	282
Construction Superintendents..	3	..	3
Cooks and Food Service.....	4	6	10
Departmental Accountants.....	25	23	48
Draughtsmen.....	40	..	40
Drivers.....	3	7	10
Economists.....	3	..	3
Engineering Staff.....	4	..	4
Executive Officers.....	15	..	15
Foresters.....	49	164	213
Forestry Technicians.....	16	787	803
Highway Equipment Operators..	..	15	15
Inspector of Surveys.....	6	..	6
Instructors.....	9	..	9
Legal Officers.....	4	..	4
Machine Operators.....	28	..	28
Maintenance Staff.....	21	81	102
Mechanics.....	..	53	53
Miscellaneous Staff.....	34	..	34
Parks and Land Planners.....	10	..	10
Personnel Officers.....	16	..	16
Pilots.....	18	22	40
Photographers.....	2	..	2
Public Relations Officers....	9	..	9
Radio Operators.....	2	19	21
Rangers.....	4	246	250
Research Scientists.....	28	8	36
Research Supervisors.....	3	2	5
Safety Instruction Officers..	..	13	13
Section Supervisors.....	17	..	17
Senior Administrative Officers	12	26	38
Stationary Engineers.....	5	6	11

*Head Office includes Research Branch, Maple and Air Service Section, Sault Ste. Marie.

SUMMARY OF CLASSIFICATIONS (Continued)

Permanent and Probationary Staff as of March 31, 1969.

GROUPS	Head Office	Field	Total
Stenographic Staff.....	125	142	267
Systems and Procedures Officers	10	...	10
Technician Equipment Development	4	...	4
Technician Laboratory.....	7	...	7
Technician Photographic.....	7	...	7
Total:.....	825	2,190	3,015

	Class 7	6	12	18
	Class 6	2	57	59
	Class 5	..	65	65
FORESTRY	Class 4	4	244	248
TECHNICIANS	Class 3	2	179	181
	Class 2	2	136	138
	Class 1	2	91	93

	Class 7	1	6	7
	Class 6	1	6	7
	Class 5	1	23	24
CONSERVATION	Class 4	2	43	45
OFFICERS	Class 3	2	37	39
	Class 2	3	135	138
	Class 1	..	22	22

Assistant Deputy Minister..	1
Regional Directors.....	3
Branch Chiefs.....	10
Director Ontario Forest	
Technical School.....	1
District Foresters.....	21

ON STAFF		NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st					
Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
...	...	1943	56	..	..	19	75
...	...	1944	45	..	..	13	58
...	...	1945	54	..	..	29	83
...	...	1946	55	..	..	14	69
...	...	1947	...	..	..	..	...
...	...	1949	85	18	2	10	115
...	...	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329
815	925	1966	222	72	7	27	328
835	1,217	1967	235	80	5	55	375
888	1,013	1968	249	88	5	46	388
942	1,088	1969	225	83	15	52	375

TOTAL NUMBER OF EMPLOYEES ON STAFF BY MONTHS, 1968-9

1968	HEAD OFFICE				FIELD			Grand Total
	Reg.	Prob.	Unclass.	Total	Reg.	Prob.	Unclass.	
Apr.	595	102	59	756	1,727	273	2,650	4,650
May	591	165	108	864	1,738	356	4,660	6,754
June	589	171	112	872	1,734	401	4,255	5,890
July	606	163	132	901	1,734	421	4,650	6,805
Aug.	601	157	133	891	1,743	413	4,426	6,582
Sept.	611	168	70	849	1,734	422	2,874	5,030
Oct.	627	161	45	833	1,746	403	2,119	4,268
Nov.	628	158	47	833	1,754	397	1,453	3,604
Dec.	623	156	50	829	1,756	400	997	3,153
1969								
Jan.	630	153	50	833	1,789	387	922	3,098
Feb.	615	154	69	838	1,801	388	831	3,020
Mar.	628	163	62	853	1,858	322	842	3,022
Average	612	156	78	846	1,718	390	2,557	4,656
								5,502

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Chapleau.....	37	36	69	88	112	124	134	123	129	156	155
Cochrane.....	24	25	36	33	57	67	69	90	89	92	80
Fort Frances.....	23	12	12	24	49	42	45	65	69	70	64
Geraldton.....	64	46	60	55	94	113	115	116	116	110	111
Gogama.....	39	37	47	35	56	67	65	86	92	...	...
Kapuskasing.....	40	36	36	39	62	72	69	65	69	68	64
Kenora.....	26	13	12	13	39	45	47	89	85	89	87
Lake Huron.....	..	..	..	..	...	...	...	24	23	24	22
Lake Simcoe.....	..	..	..	..	...	...	...	...	...	...	24
North Bay.....	38	26	36	34	73	113	121	113	115	111	113
Parry Sound.....	37	36	46	55	93	137	139	136	134	141	132
Pembroke.....	34	24	33	37	71	70	70	69	70	70	69
Port Arthur.....	39	24	25	36	132	137	135	130	138	140	137
Sault Ste. Marie.	63	67	64	65	119	136	141	136	135	119	114
Sioux Lookout....	15	13	..	23	47	49	54	76	74	81	84
Sudbury.....	39	49	48	57	113	138	140	137	139	210	205
Swastika.....	26	24	48	40	98	116	113	114	110	112	136
Tweed.....	..	..	..	..	...	...	...	...	...	...	39
White River.....	49	35	47	47	85	93	94	89	88	113	108
TOTAL	593	503	619	681	1,300	1,519	1,551	1,658	1,675	1,706	1,744

The Junior Ranger Program was initiated in 1944 with a total of 21 boys attending camps in North Bay and Parry Sound Districts.

ASSISTANT DEPUTY MINISTER
R. D. K. ACHESON

REGIONAL DIRECTORS

L. RINGHAM-----	NORTHWESTERN Forestry Building, 14 North Algoma Street, Port Arthur. Telephone 345-6543 Area Code: 807
J. W. LOCKWOOD-----	NORTHEASTERN 174 Douglas Street, Sudbury. Telephone 673-1111 Area Code: 705
J. W. GILES-----	SOUTHERN R. R. 2, Maple. Telephone Toronto 832-2261 Area Code: 416

CHAPLEAU FOREST DISTRICT

	Area Code: 705	Telephone
OFFICE: 34 Birch Street, Chapleau.....		864-1710
Radio Room	after hours	864-1711
Chief Ranger	after hours	864-1712
Air Service.....	after hours	864-1713

District Forester..... *G. P. Elliott 864-1029

SUPERVISORS

Accounts.....	L. Lingenfelter.....	864-0587
Fish and Wildlife .....	.....	864-1710
Biologist	M. Lamothe.....	864-1325
Forest Protection.....	.....	864-1710
Lands	W.E. MacPhail.....	864-1146
Parks	W.E. MacPhail.....	864-1146
Timber	*W.D. Schafer.....	864-1710
Scaling	W.E. Prange.....	864-1491

CHIEF RANGERS

Chapleau	*J. P. King	864-1710(1826)
Foleyet.....	J.R. Languerand....	98(70)
Sultan	G. Dingee	875(862)

DEPUTY CHIEF RANGERS

Chapleau.....	H.G. Kohls	864-1710(0108)
Chapleau South	F.R. Bergin... ..	864-1710(1842)
Wrong Lake.....	G.F. McAuley.....	864-1710(1535)
Racine Lake	R.N. Boyle	864-1710(0716)
Missinaibi	R.H. Dunne	864-1710(1237)
Foleyet East	J.M. Langlois.....	98(71)
Foleyet West.....	J.E.L. Morin	98

NURSERY

Chapleau.....	M. E. Hawkins	864-1717(1547)
---------------	---------------------	----------------

PROVINCIAL PARKS

Five Mile Lake.....	.....	864-1710
The Shoals.....	.....	864-1710
Ivanhoe.....	Foleyet.....	98
Missinaibi .....	.....	864-1710
Wakami	Sultan	875

* Duty Officers

COCHRANE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 140 Fourth Avenue, Cochrane.....272-4365

District Forester..... *R.J. Bugar.....272-4365(4554)

SUPERVISORS

Accounts	F.W. Barnes	272-4365(4796)
Fish and Wildlife	S. Nodwell.....	272-4365(4869)
Forest Protection.....	*E. Gillespie.....	272-4365(5364)
Assistant.....	*V. Niemi.....	272-4365(4164)
Lands	H. E. Wright.....	272-4365(5207)
Parks	D. E. Stewart	272-4365(5233)
Timber.....	J. R. McKnight.....	272-4365(4503)
Scaling	E. McVeety.....	272-4365(3704)

CHIEF RANGERS

Cochrane	*A. C. Hutchinson	272-4365(5326)
Timmins	A. F. Papineau.....	264-1262(1678)

DEPUTY CHIEF RANGERS

Cochrane (Fire).....	W.J. Froude.....	272-4365 Frederickhouse 1R2
Cochrane (Timber).....	D. Shewen.....	272-4365(5435)
Cochrane (Lands)	A. E. Ross	272-4365(4997)
Cochrane (Fish)	S. Harris	272-4365(4596)
Cochrane.....	W. J. Davis.....	272-4365
Timmins (Fire).....	F. Shaver	264-1262(7789)
Timmins (Timber)	K. Wiskin.....	264-1262(0829)
Timmins (Lands).....	R. Wagner	264-1262(2669)
Timmins (Fish).....	D. Perry.....	264-1262(1716)
Timmins.....	G. Bond.....	264-1262(267-3574)
Smooth Rock Falls	K. C. Veitch.....	336-2771(2614)
Moosonee.....	B. A. Norris.....	336-2241(2549)
Wade Lake	R. Woodall.....	Iroquois Falls 258-3415(3414)

PROVINCIAL PARKS

Greenwater.....	Cochrane	272-4365
Kettle Lakes.....	P. Baxter	Connaught 3121
Tidewater	Moosonee	336-2241

*Duty Officers.

FORT FRANCES FOREST DISTRICT

	Area Code: 807	Telephone	
		Office	Home
OFFICE: 922 Scott Street, Fort Frances...		274-5337	
District Forester	*R. A. Balkwill	274-5337	274-6293

SUPERVISORS

Accounts	A. R. Taylor	274-5337	274-9406
Fish and Wildlife...	D. J. D'Agostini ...	274-5337	274-6695
Biologist	A. R. Stasus	274-5337	274-6616
Forest Protection..	*R. V. Brady	274-5337	274-9818
Lands	E. Fraehlich	274-5337	274-9510
Parks .....	.....	274-5337	
Timber	E. Markus	274-5337	274-3991
Scaling	M. G. Elliott	274-5337	274-3151

CHIEF RANGERS

Fort Frances	*J. A. Murphy	274-5337	274-5704
Atikokan	F. Dustak	6850	28568

DEPUTY CHIEF RANGERS

Fort Frances	A. J. Korpi	274-5337	274-6522
Fort Frances	S. V. Roberts	274-5337	274-5680
Fort Frances	F. R. Dumeney	274-5337	274-6534
Fort Frances	W. Neculeac	274-5337	852-3360
Atikokan	S. A. Kellar	6850	28562

UNIT FORESTER

Atikokan	A. G. Dougall	2188	6266
----------------	---------------------	------	------

PROVINCIAL PARKS

Caliper Lake .....	.....	
	Nestor Falls	484-2181	
Lake of the Woods..	E. T. McComb		
	Bergland	488-5531	274-6891
Quetico	C. R. Williams		
	Atikokan	6850	28563

*Duty Officers.

GERALDTON FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Beamish Avenue, Geraldton 854-1030

District Forester..... *D.E. Gage 854-1121

SUPERVISORS

Accounts	W.J. Martindale	854-1030
Fish and Wildlife	E.H. Stone	854-1030
Forest Protection.....	*J.F. Goodman	854-1030
Fire Control Officer....	*W.E. Belisle	854-1030
Lands and Parks	A.F. Parker.....	854-1030
Timber.....	W.K. Fullerton	854-1030
Scaling.....	L.W. Reid	854-1030

CHIEF RANGERS

Geraldton	P. Bellavance	854-1600
Longlac.....	A. Hoshino (Acting).....	876-2351
MacDiarmid	R.J. Kincaid	67
Terrace Bay	B.J. Lapenskie.....	825-3205
Nakina	A.B. Johnson (Acting)	80

DEPUTY CHIEF RANGERS

Geraldton.....	E.D. Turner	854-1600
Geraldton.....	W. Clark.....	854-1600
Longlac.....	M. Linard.....	876-2351
Longlac.....	A. Hoshino.....	876-2351
MacDiarmid	W.L. Cox.....	67
MacDiarmid	K.G. Horton.....	67
Terrace Bay	K.E. Bowlier.....	825-3205
Terrace Bay	T.B. Scott.....	825-3205
Nakina	A.B. Johnson.....	80

UNIT FORESTERS

Geraldton.....	G.T. Marek.....	854-1030
Geraldton.....	J.D. Nolan	854-1030
Geraldton.....	D. Jovic.....	854-1030
Geraldton.....	D. Mihailovic.....	854-1030
Longlac.....	R.D. Fry.....	876-2351

BIOLOGISTS

Geraldton.....	B.H. Gibson.....	854-1030
MacDiarmid	L.G. Townes.....	67

PROVINCIAL PARKS

Blacksand	R.J. Kincaid - MacDiarmid	67
Klotz Lake.....	A. Hoshino - Longlac	876-2351
MacLeod	P. Bellavance -Geraldton	854-1600
Ney's	B.J. Lapenskie-Terrace Bay	825-3205
Rainbow Falls.....	B.J. Lapenskie-Terrace Bay	825-3205

* Duty Officers

KAPUSKASING FOREST DISTRICT

Area Code: 705 (807)

Telephone

OFFICE: 5 Government Road, Kapuskasing..... (705) 335-2231

District Forester..... *D. A. Fawcett 335-5503

SUPERVISORS

Accounts	R. W. E. Stone	335-3360
Fish and Wildlife	M. R. Cusson	335-2438
Forest Protection	*J. L. Canfield	335-4154
Lands	*A. J. McGoey	335-5062
Parks	A. J. McGoey	335-5062
Timber	*J. W. Lloyd	335-3886
Scaling	V. M. Silver	335-5664

CHIEF RANGERS

Kapuskasing	B. J. Labonte	335-6321
Hearst	L. G. Woods	362-5803
Hornepayne	L. E. Grife	(807) 125

DEPUTY CHIEF RANGERS

Kapuskasing	J. A. Millette	335-4510
Kapuskasing	J. G. Duhaime	Opasatika 3341
Kapuskasing	D. C. Jones	335-5414
Hearst	B. R. Blais	362-4346
Hearst	E. J. Commanda	362-4346
Hearst	J. H. Thompson	362-4981
Hornepayne	W. R. Laurila	90

PROVINCIAL PARKS

Nagagamisis	C. A. McDonald ...	Hornepayne 90
Remi Lake	J. L. Sigouin	335-2321

*Duty Officers

KEMPTVILLE FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Provincial Government Bldg., Kemptville... 258-3411
Nights, Holidays 258-2298
(Direct Line From Head Office)

District Forester *R. M. Christie 258-3770

SUPERVISORS

Accounts	F. S. Bumstead	258-2483
Fish & Wildlife		
Forest Protection	*D. D. White	258-2780
Lands	D. D. White	258-2780
Parks	*E. A. Green	258-3209
Timber	*P. E. Anslow	258-2408

DEPUTY CHIEF RANGER

Lanark D. Kennedy..... 259-2108

EXTENSION SERVICES

MANAGEMENT FORESTERS

Kemptville.....	M. Schaefer....	Ottawa	749-9325
Kemptville.....	A.J. Campbell.....		258-2523
Alexandria.....	B. Warwick.....		525-2443
Lanark.....	M. Millar.....		259-2108

FARM FORESTER

Kemptville	..... C. F. Coons.....	Office	258-3413
		..... Home	258-2705

NURSERY

Kemptonville..... *H. H. de Vries 258-2323

PROVINCIAL PARKS

Fitzroy	F.W. Irwin	Arnprior...	623-5159
Rideau River	J.R. Uens	Kemptville...	258-2740
Silver Lake	C. Dawson	Maberly ...	9r31
South Nation .....	.....	Plantagenet...	673-5072
Murphy's Point .....	.....	Perth.....	267-1741
Carillon	A.L. Robinson	St. Eugene	674-2825

* Duty Officers

KENORA FOREST DISTRICT

Area Code: 807 Telephone
Office Home

OFFICE: Provincial Government Building,
Robertson Street, Kenora 468-9841

District Forester.... *K.K. Irizawa 468-9841 468-6223

SUPERVISORS

Accounts	G. C. McChesney ..	468-9841	468-8190
Fish and Wildlife	D. M. Brooks	468-9841	468-9174
Forest Protection ...	*M. J. Morison....	468-9841	468-6110
Lands	J. A. Wynd.....	468-9841	548-4094
Parks	A. A. Gordon.....	468-9841	547-2893
Timber.....	*D. L. Hagar.....	468-9841	468-8831

CHIEF RANGERS

Kenora	*J. G. Minor	468-6600	468-7139
Dryden	*L. E. Fleguel	223-2341	223-6644

DEPUTY CHIEF RANGERS

Kenora	J. G. Mills.....	468-6600	468-7158
Kenora	R. H. Reynolds...	468-6600	468-8512
Kenora	A. W. Stone	468-6600	468-5106
Kenora	D. A. Philippi	468-6600	468-6013
Kenora	K. D. Pride.....	468-6600	.....
Kenora	T. A. Humberstone	468-6600	468-8748
Minaki	D. Larmand	8	8
Dryden	M. L. Frenette ...	223-2341	937-5386
Dryden	W. O. Hansson ...	223-2341	223-6640
Dryden	R. B. Little	223-2341	223-6923
Dryden	R. W. McGillivray	223-2341	938-6556
Sioux Narrows	D. L. Porlier.....	226-5668	226-5668

DRYDEN NURSERY

Superintendent	G. H. Kokocinski ..	938-6502	223-6992
----------------------	---------------------	----------	----------

PROVINCIAL PARKS

Aaron			938-6312
Blue Lake			227-2601
Rushing River.....			548-9902
Sioux Narrows .....			.....

* Duty Officers

LAKE ERIE FOREST DISTRICT

Area Code: 519 (416)

Telephone

OFFICE: 353 Talbot Street West, Aylmer West
Aylmer (519)

773-9241

District Forester..... *W.B.M. Clarke..... 773-9284

SUPERVISORS

Accounts	G.B. Fewings	773-8253
Fish and Wildlife	D.R. Johnston	773-8498
Lands	R.C. Turner-St. Thomas ...	631-9685
Parks	*K.A. Cameron	773-9828
Timber	*E.F. Johnston	773-3252

EXTENSION SERVICES

MANAGEMENT FORESTERS

Strathroy	J.A. Fingland	245-0640
	London (Home)	438-7126
Dunnville	D.A. Scott	(416) 774-5811
	Home(416)	774-5359

FARM FORESTER

Aylmer	E.G. Wilson	773-9241
	Home, St. Thomas	631-2713

NURSERY

St. Williams	R.E. Laupert, Sup't. Pt. Rowan	586-3863
--------------------	---	----------

RESEARCH STATION

Fisheries Research Station	S.J. Nepszy-Wheatley	825-4171
----------------------------	---------------------------	----------

FISH HATCHERY

Normandale Fish Hatchery	W.A. Hooper (Acting)	
	Simcoe	426-3142
	Home	426-0272

LAKE ST. CLAIR MANAGEMENT UNIT

Stoney Point	J.M. Byrne	694-3610
--------------------	------------------	----------

PROVINCIAL PARKS

Holiday Beach	W.R. Jenkins.. Amherstburg	736-3772
Ipperwash	B. Houck	Thedford 296-4652
Long Point	T.L. Beck	Port Rowan 586-2133
Pinery	M.J. Jackson	Thedford 243-2220
Port Bruce	District Office. Aylmer West	773-9241
Rock Point, Selkirk.....	Selkirk	
and Jas. N. Allan	M.E. Charbonneau (416)	776-2600
Rondeau	J.H. Lever	Ridgetown 674-2137
John E. Pearce	J.H. Lever	Ridgetown 674-2137
Turkey Point	J.W. Sulston	Simcoe 426-3239
Wheatley	P.G. Wiper	Wheatley 825-4761

* Duty Officers

LAKE HURON FOREST DISTRICT

Area Code: 519

Telephone

OFFICE: Beaverdale Road, Hespeler 658-9356
(Direct Line From Head Office)

District Forester J.M. Halpenny..... 653-4798

SUPERVISORS

Accounts	H.W. Makcrow	658-4015
Fish and Wildlife	W.D. Mansell	824-6125
Biologist	J.J. Armstrong	759-4386
Timber, Forest Protection..	R.N. Staley	632-7116
Lands and Parks .....		.....

EXTENSION SERVICES

Biologist	H.A. Orr	621-9129
Farm Forester.....	R.C. Gilbert	621-9383

MANAGEMENT FORESTERS

Hespeler	G.H. Murchison	587-4005
Owen Sound.....	J.W. Christie	376-1371
Owen Sound.....	H.P. VanBers.....	376-4190

DIVISION MANAGERS

Owen Sound.....	V.W. Fisk	376-9391
Stratford	H.R. Lancaster	271-9736

FISH HATCHERIES

Chatsworth	P.H. Hartman	794-2340
Wiarton	A.H. Draves	534-0770

PROVINCIAL PARKS

Craigleith	A. MacDonald Collingwood	445-4467
Cyprus Lake.....		.....
Inverhuron	G.E. Brown, Tiverton ..	368-7402
Point Farms.....	C.E. Bates Goderich ..	524-7124
Sauble Falls	S.H. Siegrist Hepworth..	935-2415

LAKE SIMCOE FOREST DISTRICT

Area Code: 416 (519, 705)

Telephone

OFFICE: R.R. 2, Maple Maple (416) 832-2261
Duty Officers 832-2262

District Forester F.E. Sider ext 218

SUPERVISORS

Accounts	G. C. Bragg	ext 215
Fish and Wildlife	R. H. Trotter	ext 211
Biologist	A. A. Wainio	ext 233
Lands	W. M. Mitchell	ext 224
Parks	H. V. Berg	ext 222
Timber	F. C. Robinson....	ext 221 (223-7972)
Forest Protection	*F. C. Robinson....	ext 221 (223-7972)

EXTENSION SERVICES

Biologist	A.W. Smith	ext 233	(884-6259)
Farm Forester	*J. Kekanovich	ext 213	(884-2262)
Management Forester.....	D.C. McDermott.....	ext 213	(727-6294)
Parks Naturalist	A.M. Harjula.....	ext 222	(481-5081)
Fire Control Officer.....	*R.H. Smith	ext 221	(727-5340)

MANAGEMENT FORESTERS

Maple.....	*J.D. Griffiths ext 220 (473-5852)
Orangeville.....	J.F. Christian.... (519) 941-4370
Angus.....	W.S. McNeice (705) 424-5312

DIVISION MANAGER

SRMU, Coldwater W.J. Lovering.... (705) 686-3342

TREE SEED PLANT

Angus..... (705) 424-5311

NURSERY

Midhurst C.R. Groves (705) 728-2846

PROVINCIAL PARKS

Bass Lake		(705)	326-7054
Devils Glen	L. W. O'Dell	(705)	429-2516
Earl Rowe	W. Braden	(705)	435-7291
Mara		(705)	326-4451
Sibbald Point.....	J. T. Linklater	(416)	722-5182
Six Mile Lake	B. W. Whalen	(705)	686-3342
Springwater	C. D. Jackson	(705)	728-7393
Wasaga Beach.....	L. W. O'Dell.....	(705)	429-2516

*Duty Officers.

LINDSAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Ontario Government Building,
 322 Kent Street West, Lindsay..... 324-6121
 (Direct Line from Head Office)
 District Forester..... *A. E. Walroth 324-6121 L2

SUPERVISORS

Accounts	H. C. Wallwin	324-6121 L6
Fish and Wildlife	P. W. Swanson	324-6121 L26
Forest Protection.....	*B. B. Benson	324-6121 L12
Lands	*G. Simons	324-6121 L14
Parks	*P. R. Davidson	324-6121 L31
Timber	R. A. Lockhart	324-6121 L9
Scaling	W. E. Everett	324-6121 L8

CHIEF RANGERS

Minden	P. J. Cassidy.....	219W
Gooderham.....	W. Sarginson	Haliburton 300w4

DEPUTY CHIEF RANGERS

Minden	M. J. O'Neill	219W
Gooderham.....	H. N. Bates	Haliburton 300w4
Apsley	J. M. Scott.....	656-4361
Haliburton	S. A. Shields	387W

EXTENSION SERVICES

MANAGEMENT FORESTERS

Lindsay.....	T. E. Dodds	324-6121
Lindsay.....	B. G. Cross	324-6121
Orono.....	J. D. Henson	983-9147
Brighton.....	R. W. Tippet.....	475-2204

FARM FORESTER

Lindsay.....	P. H. Rennick	324-6121
--------------	---------------------	----------

NURSERY

Orono	W. R. Bunting	983-9147
-------------	---------------------	----------

HATCHERIES

Codrington (Fish).....	G. Groondahl	Brighton 475-2512
Codrington (Pheasant)...	E. R. Mound	Brighton 475-0692
Deer Lake (Fish).....	J. M. Hunt	Havelock 778-3391

PROVINCIAL PARKS

Emily	H. Tuvi	Omeme 799-5170
Balsam Lake.....	W. P. Barber	Coboconk 454-3324
Darlington	J. A. Robertson	Oshawa 723-4341
Presqu'ile	K. H. Moore.....	Brighton 475-2204
Serpent Mounds.....	D. G. Ward.....	Keene 295-6879

*Duty Officers.

NORTH BAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Northland Trust Building,
222 McIntyre Street West, North Bay..... 474-5550
(Direct line from Head Office)

District Forester.....*W. L. Sleeman 474-7606

SUPERVISORS

Accounts	J. E. Rogers.....	472-8426
Biologist	M. E. Buss Callander	752-1439
Fish and Wildlife	*A. S. Holder... Callander	752-3477
Forest Protection.....	*J. E. Anderson	474-4644
Lands	W. G. Turnbull	472-1744
Parks	A. D. Tremblay	474-5712
Timber	*D. E. Honeyborne.....	472-0659
Scaling	R. E. Chornopski.....	474-8493

CHIEF RANGERS

North Bay	*H. N. Whalen	474-5645
Temagami	J. E. Rumney	569-2231

DEPUTY CHIEF RANGERS

North Bay, Fire.....	*J. A. Bedard.....	472-6056
North Bay, Timber	T. M. McCormick	472-4487
North Bay, Fish & Wildlife .	W. J. Holmes.....	474-4942
Champlain	C. H. Laberge... Mattawa	744-2276
Marten River.....	H. J. Edmundson	8R3
Haddo	P. J. McDonald Monetville	898-2441
Temagami, Fire	H. G. Smith	569-8481
Temagami, Lands	R. V. Coulombe.....	569-6557
Temagami, Fish & Wildlife.	S. St. Jules	569-8386
Temagami, Timber.....		

PROVINCIAL PARKS

Antoine	Mattawa	744-2251
Finlayson Point.....	G. C. Lockhart	
	..... Temagami	569-6368
Marten River.....	H. J. Edmundson	8R3
Samuel de Champlain.....	C. H. Laberge .. Mattawa	744-2276

FISH HATCHERY

Redbridge	N. B. Hollingsworth	
	..... Redbridge	663-2311

* Duty Officers

PARRY SOUND FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 4 Miller Street, Parry Sound 746-2141

District Forester..... J.S. Ball..... 746-8712

SUPERVISORS

Accounts	G. F. Walter	746-2389
Fish and Wildlife	*C. W. Douglas	746-8622
Sr. Conservation Officer ..	*J. A. Macfie.....	746-8330
Biologist	G. Winterton	746-8897
Forest Protection	*D. Burns.....	746-2672
Lands	T. H. Croswell.....	746-5513
Parks	W. R. Peck	746-8808
Timber.....	H. Henry.....	746-2141
Scaling	A. J. Tracy.....	746-8309

CHIEF RANGERS

Parry Sound	*J. A. Shalla	746-5541(9815)
Powassan.....	B. Petman.....	724-3005
Bracebridge.....	J. A. Simpson	645-4081(687-2519)

DEPUTY CHIEF RANGERS

Parry Sound	J. M. McEwen ..	McKellar 17R22
Powassan.....	E. R. Brooks. Trout Creek	723-5361
Bracebridge.....	J. Mathews.....	645-2238
Ardbeg	R. J. Simms. Parry Sound	746-9881
Dorset	J. S. Booker	746-2212(2253)
Byng Inlet (Britt).....	M. C. Kennedy	383-2361(2361)
Loring	R. F. Kimberley	757-2040(2168)

EXTENSION SERVICES

MANAGEMENT FORESTERS

Parry Sound	J. Strickland	746-2657
Powassan.....	R. O. Brandes	724-2908
Farm Forester.....	B. Hardy.....	.....
Bracebridge (Farm Forestry Technician)	M. Salt	645-4607

PROVINCIAL PARKS

Grundy Lake	F. Irwin	Britt 383-2369
Killbear Point	R. Brookland	Nobel 342-5492
Mikisew	A. White	South River 386-2271
Oastler Lake	G. McRoberts...	Orrville 378-2401
Restoule	J. Graham	Golden Valley 729-5707
Sturgeon Bay	H. Tigert	Pointe au Baril 366-2285
Arrowhead	A. Rand.....	Huntsville 789-5105

*Duty Officers.

PEMBROKE FOREST DISTRICT

Area Code: 613 (705)

Telephone

OFFICE: 162 Agnes Street, Pembroke..... (613)	732-3661
Duty Officers.....	732-3664

District Forester.....	*T. W. Hueston	
------------------------	----------------------	--

SUPERVISORS

Accounts	G. N. McGeachy.....	732-3661
Fish and Wildlife	H. E. Deedo	732-3661
Biologist	M. L. Wilton.....	732-3661
Forest Protection	*L. Bronson.....	735-6447
Lands	J. Orme	732-3661
Parks	J. E. Collard	732-3661
Timber.....	*J. A. Simpson .....	.....
Scaling	J. H. Bingley	732-2911

CHIEF RANGERS

Pembroke.....	*R. N. Cousineau.....	732-3664(4106)
Whitney.....	H. W. Fanes.....(705)	637-2780
Stonecliffe	F. Mitchell.....	586-2604

DEPUTY CHIEF RANGERS

Pembroke	M. I. Mantifel.....	732-3664
Pembroke	D. F. Palubiski	732-3664
Whitney.....	M. L. Doney	637-2780
Whitney.....	W. A. Lentz	637-2780
Whitney.....	S. E. Cameron....	637-2780
Stonecliffe	R. C. Bilsborrow.....	586-2604
Stonecliffe	J. I. Kuiack.....	586-2604
Achray	A. E. Prange .....	.....
Achray	J. R. Mask .....	.....
Kiosk.....	W. D. Christie	841
Kiosk, Timber.....	S. J. McIsaac	586-2604
Round Lake	C. R. Buske	757-2507

EXTENSION SERVICES

MANAGEMENT FORESTERS

Pembroke	C. R. Gray.....	732-3661
Pembroke	S. Yorgandjioglou.....	732-3661
Pembroke	W. W. Wahl.....	732-3661

FARM FORESTER

Pembroke	W. Vonk	732-3661
----------------	---------------	----------

PROVINCIAL PARKS

Algonquin.....	T. W. Fueston	(705) 633-5572(5542)
Bonnechere .....	.....Killaloe	757-2103
Carson Lake .....	.....Barry's Bay	131J3
Driftwood.....	.....Stonecliffe	586-2371

FISH HATCHERY

Pembroke	W. T. Marston Petawawa	687-5935
----------------	------------------------	----------

* Duty Officers.

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles as of May 22, 1968)	ADMINISTRATIVE DISTRICT			FIRE DISTRICT		
	Land	Water	Total	Land	Water	Total
Chapleau.....	9,186	863	10,049	9,186	863	10,049
Cochrane.....	58,174	5,319	63,493	49,678	3,720	53,398
Fort Frances.....	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton.....	35,543	9,807	45,350	35,543	9,807	45,350
Kapuskasing.....	22,595	1,125	23,720	22,595	1,125	23,720
Kemptville.....	5,632	313	5,945	596	34	630
Kenora.....	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie.....	6,905	6,142	13,047	.....	.....	.....
Lake Huron.....	8,860	6,486	15,346	723	22	745
Lake Simcoe.....	4,710	1,444	6,154	228	19	247
Lindsay.....	5,097	1,692	6,789	2,718	232	2,950
North Bay.....	4,969	887	5,856	4,969	887	5,856
Parry Sound.....	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke.....	4,765	410	5,175	4,765	410	5,175
Port Arthur.....	16,933	3,067	20,000	16,933	3,067	20,000
Sault Ste. Marie.....	6,297	2,281	8,578	6,154	2,281	8,435
Sioux Lookout.....	103,392	10,610	114,002	67,779	7,511	75,290

Sudbury.....	10,473	4,505	14,978	9,349	1,450	10,799
Swastika.....	5,341	292	5,633	5,341	292	5,633
Tweed.....	6,734	1,706	8,440	4,465	311	4,776
White River.....	7,941	4,131	12,072	7,941	4,131	12,072
TOTAL.....	344,092	68,490	*412,582	269,508	43,572	313,080

*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

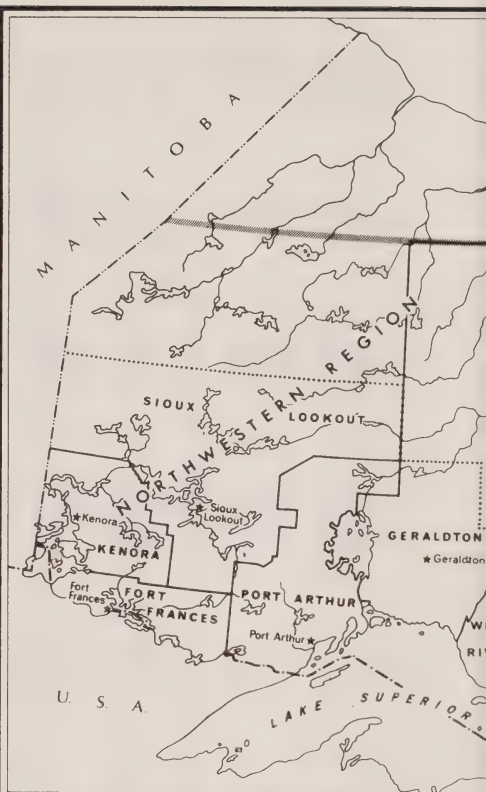
Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 3,497; Sault Ste. Marie, 1,770; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

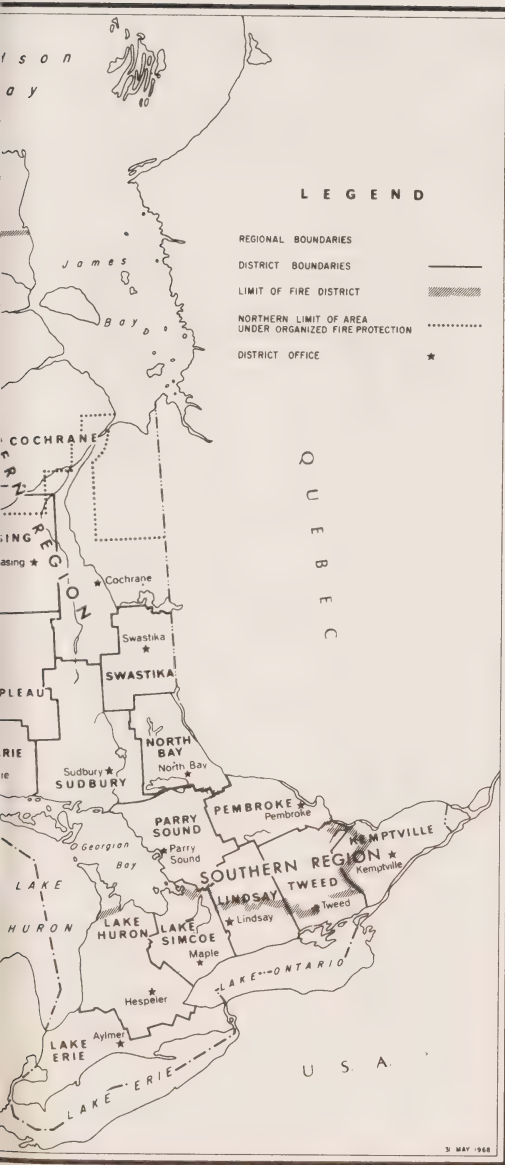
Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest known point in Ontario is Ogidaki Mountain. Township 24, Range 12, Algoma District, elevation 2,183 feet above mean sea level.

(SEE MAP OF DISTRICTS, PAGE 141)



MAP OF
THE PROVINCE OF ONTARIO
SHOWING
**ADMINISTRATIVE
DISTRICTS AND REGIONS**
OF THE
ONTARIO
DEPARTMENT OF LANDS AND FORESTS



THUNDER BAY FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: 14 North Algoma Street, Thunder Bay "P" . . . 345-6543
(Direct Line from Head Office)

District Forester *R. A. Baxter 577-1390

SUPERVISORS

Accounts	J. D. Chadwick	767-1564
Fish and Wildlife	C. A. Elsey	344-0501
Biologist	H. R. Timmerman	344-4049
Forest Protection	*F. M. Dodds	344-5417
Assistant	*J. Russell	344-0166
Lands	J. L. Hamill	577-3458
Parks	E. Diamond	344-9011
Timber	J. F. Flowers	345-8354
Scaling	A. G. Strey	344-8666

CHIEF RANGERS

Thunder Bay	*S. O. Russell	344-8157
Armstrong	J. B. Monteith	129
Shebandowan	G. C. Murray	344-2001

DEPUTY CHIEF RANGERS

Port Arthur	V. Hansen	344-8726
Armstrong	A. Van Rooyen	38
Shebandowan	G. J. Frenette	683-3430
Fort William	N. J. Small	344-5116
Upsala	M. J. Kaliska	65
Nipigon	A. Martin	887-2114
Shebandowan, Timber	R. M. Clark	926-2861
Port Arthur, Timber	L. Hawkins	344-8586

UNIT FORESTERS

Port Arthur	E. Multamaki	344-7102
Fort William	R. G. Klein	345-1743
Armstrong	J. E. Hamilton	344-2348
Shebandowan	G. Wright	345-2924

NURSERY

Fort William	A. Wynia	577-5515
------------------------	--------------------	----------

PROVINCIAL PARKS

Inwood	A. Van Eck	577-1402
Kakabeka Falls	G. Whitefield	683-8896
Middle Falls	T. Hill	Pigeon River 24R3
Sibley	E. Murphy	

* Duty Officers.

SAULT STE. MARIE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 875 Queen Street East (Rear),
 Aerodrome Building, Sault Ste. Marie 949-1231
 (Direct Line from Head Office)
 After hours 949-1234
 District Forester *W.D. Tieman Residence 254-6523

SUPERVISORS

Accounts	G. J. Murray	254-3847
Fish and Wildlife	R. G. Bailey	949-4434
Biologist	C. H. Olver	254-5781
Forest Protection	*W. H. Forman	949-3572
Forest Protection Tech... ..	*K. T. Fuller	256-5343
Forest Research	A. G. Gordon	254-5342
Fisheries Research	C. A. Lewis	253-3442
Lands	J. M. Small	253-6933
Parks	G. M. Connell	
	..... Bruce Mines	785-3458
Timber	*W. C. Stevens	253-8397
Scaling	M. V. Osborne	254-1685

CHIEF RANGERS

Sault Ste. Marie	C. E. Tregonning	253-0491
Blind River	J. A. Huppe	356-7166
Thessalon	R. J. Lynn	842-2610

DEPUTY CHIEF RANGERS

Sault Ste. Marie	L. G. Bell	254-1774
Sault Ste. Marie	L. J. Pigeon	253-1952
Blind River	G. N. Gibson	356-2392
Blind River	H. J. Stoneman	356-7998
Kirkwood	D. W. Hemphill Thessalon	842-3130
Kirkwood	I. E. Seabrook Thessalon	842-5723
Kirkwood	C. W. Stoneman Thessalon	842-5643
Pancake Bay	R. H. Gemmill ... Batchawana	2317
Mount Lake	G. R. Murray Iron Bridge	356-7654
Ranger Lake	A. R. McClelland	254-7660
Elliot Lake	C. J. Osborne	848-2741
Peshu Lake	C. D. Vaughan, Echo Bay.	37R2

NURSERY

Thessalon	W. Stoneman	842-5643
-----------------	-------------------	----------

PROVINCIAL PARKS

Batchawana	R. H. Gemmill, Batchawana	2317
Mississagi	C. J. Osborne, Elliot Lake	848-2741
Pancake Bay	R. H. Gemmill, Batchawana	2317

*Duty Officers

SIOUX LOOKOUT FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Box 309, Sioux Lookout.....	737-1140
District Forester..... *F.L. Hall.....	737-2763

SUPERVISORS

Accounts	D. W. Munch.....	737-2892
Fish & Wildlife.....	C. E. Perrie.....	737-1562
Biologist	D. A. Hagan	737-3459
Biologist	G. L. Penney	737-1874
Biologist	S. Crooks	737-2824
Forest Protection	*E. W. Bouchey.....	737-3622
Fire Control Officer	*D. R. Williams.....	737-3064
Lands	J. R. Morton.....	737-1637
Parks	C. R. Biggar.....	737-2511
Timber.....	J. A. Waddell.....	737-1456
Management Forester...	E. D. Berry.....	737-3792
Management Forester...	J. Pohanka	737-2960
Management Forester...	L. J. Haas.....	737-2304
Scaling	K. A. Alexander.....	737-3209

CHIEF RANGERS

Sioux Lookout	G. M. Fenelon	737-1730
Red Lake	D. J. O'Grady.....	475(22)
Pickle Lake.....	S. A. Sprager.....	2501
Ignace.....	J. Cleaveley	934-2233(2308)

DEPUTY CHIEF RANGERS

Sioux Lookout	G. A. Baverstock	737-1229
Sioux Lookout	C. W. Clark	737-3099
Sioux Lookout	R. J. Landry.....	737-2146
Red Lake	A. R. Larson	475(755)
Red Lake	L. T. Anderson	475(352)
Red Lake	L. H. Mahon	475(Cochénour 3592)
Red Lake	P. G. Veitch.....	475(185-W)
Pickle Lake.....	I. Lawson	2501(3471)
Ignace.....	D. R. Fortner.....	934-2233(2304)
Ignace.....	C. W. Rogerson	934-2233(2379)
Ear Falls.....	W. G. Davenport	222-3065

PROVINCIAL PARKS

Pakwash	R. Williams	
Ojibway.....	G. Fenelon	
Sandbar Lake	J. Cleaveley.....	

* Duty Officers.

SUDBURY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 174 Douglas Street West, Sudbury..... 673-1111
(Direct line from Head Office)

District Forester..... *G. A. McCormack 566-6344

SUPERVISORS

Accounts	G. A. Jennings	673-1973
Fish and Wildlife	C. F. Bibby	675-7815
Biologist	K. P. Morrison	673-6879
Biologist	G. M. Stassen	673-7319
Forest Protection	*L. G. Ridsdill	675-6660
Fire Control Officer.....	*E. W. Everley	566-6304
Lands	E. N. Arbuckle	855-2927
Land Management Officer..	L. S. McCoy	674-9352
Parks	L. R. Davey	673-1012
Timber	D. E. McHale	566-4918
Scaling	L. C. Mantle	673-0341

CHIEF RANGERS

Sudbury	*W. Wetow	673-7458
Skead	J. R. Morin	969-4384
Espanola	B. T. Cannon	869-1973
Gogama.....	C. Dionne	15

DEPUTY CHIEF RANGERS

Sudbury	L. Collard	897-5143
Sudbury	G. Van Horn	675-5815
Skead	D. R. Hand	897-5761
Skead	U. A. Penttinen.....	969-2400
Espanola	F. W. Noble	869-1569
Espanolá	W. Piche	869-1675
Massey	E. A. Hansson	Spanish 844-2880
Windy Lake	D. H. Kohls	Levack 966-2315
Jamot	W. Sarginson	Rutter 857-2004
Gogama	R. A. Carriere	148
Gogama	R. A. Beauchamp	60
Gogama	D. S. Stewart	137

NURSERY

Gogama	F. Free	15
--------------	---------------	----

PROVINCIAL PARKS

Chutes.....	E. A. Hansson.....	Spanish 844-2880
Fairbank.....		
Killarney		
Windy Lake	D. H. Kohls	Levack 966-2315

* Duty Officers

SWASTIKA FOREST DISTRICT

	Area Code: 705	Telephone
OFFICE: Swastika	Swastika	642-3222
District Forester	*S.R. Hamilton Kirkland Lake	567-4659

SUPERVISOR

Accounts.....	W.C. Johnstone	568-8368
Fish and Wildlife	J.F. Gardner .....Swastika ...	642-3489
Biologist.....	L.C. Chamberlin.. Swastika	567-3023
Forest Protection....	*W.G. Taylor.. Kirkland Lake	567-3569
Lands	J.M. McDougall	
	..... Kirkland Lake	567-4732
Parks	H. Mattson.... Kirkland Lake	567-4054
Timber.....	G. Brown.... Kirkland Lake	567-6983
Scaling	F. Thib	Englehart 544-2136

CHIEF RANGERS

Swastika	*L.E. St. Pierre.....	642-3211 (567-4673)
Matheson	N.B. Pigeon	119(1416)
Elk Lake.....	G.O. Koistinen.....	28(100)

DEPUTY CHIEF RANGERS

Swastika Division.....		642-3211
Fire Deputy.....	E.C. Borden.....	642-3420
Timber Deputy.....	M.C. Mitchell	Englehart 544-7619
Service Deputy	W.B. Hill	Englehart 544-7582

Matheson Division		119
Fire Deputy.....	B.A. Milburn	
Timber Deputy	R.R. Dennis	367M
Service Deputy	E. Dew.....	421

Elk Lake Division:		
Fire Deputy.....	D.W. Butler	Elk Lake 28
Timber Deputy	B.A. Hughes.....	Englehart 544-2855
Service Deputy	A. Thib	Gowganda 2341
		Englehart 544-2592
Englehart.....	L.J. Wickware.....	544-2331
		(544-2452)

NURSERY

Swastika.....	K.H. Reese.....	642-3339
	Kirkland Lake	567-9121

FISH HATCHERY

Hill Lake	P. Graf	Englehart 544-2834
-----------------	---------------	--------------------

PROVINCIAL PARKS

Esker Lakes.....	O. Ranta	Swastika 624-3222
		Kirkland Lake 567-6760
Kap-Kig-Iwan	R.L. Hack....	Englehart 544-2050 (7526)

* Duty Officers

TWEED FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Metcalfe Street, Tweed 478-2330

District Forester A.H. Peacock 478-3834

SUPERVISORS

Accounts.....	J. A. Vance	478-3022
Fish and Wildlife	R. E. Whitfield	478-2513
Biologist	W. F. Cheshire	478-3437
Forest Protection	*B. T. Dunne	478-2906
Lands	L. G. Rowson	478-2527
Parks	*W. H. Cantelon	478-3111
Timber	*C. J. Heeney	478-3211
Farm Forester	W. M. Fasken	478-3820
Scaling	W. F. Caverley	478-6512
Surveyor	D. E. Norris	478-2736

CHIEF RANGERS

Tweed.....	J. J. Shalla.....	478-2338 (2641)
Dacre.....	G. M. Samells ..	649-2418 (432-2602)
Bancroft.....	O. Goodman	47(989)
Napanee.....	H. P. Endress.....	354-3389 (3122)

DEPUTY CHIEF RANGERS

Tweed.....	D. Mumford	478-2338 (2208)
Dacre	J. J. Windle ..	649-2418 (432-5256)
Bancroft	E. Card	47(298)
Bancroft	J. I. McKenzie.....	47(526)
White Lake	H. E. Clark	335-2115 (198)
Plevna.....	W. Gorr	479-2268 (5520)
Palmer Rapids	R. Musclow.....	758-2020 (2724)

MANAGEMENT FORESTERS

Tweed.....	W. W. Hiscock ..	478-2330 (473-2538)
Dacre	G. C. Felton ..	649-2418 (432-2548)
Bancroft	F. Walker	47(404)
Napanee	E. Edson	354-3389 (Bath 91)

FISH HATCHERY

White Lake.....	K. L. Steele	335-2115 (2074)
-----------------	--------------------	-----------------

FISHERIES RESEARCH STATION

Glenora.....	W. J. Christie	476-2400 (3014) Picton
--------------	----------------------	---------------------------

PROVINCIAL PARKS

Black Lake.....	H. E. Clark, Sharbot Lake	335-2814 (198)
Bon Echo.....	W. J. Miller.....	336-2228 (2660)
Lake St. Peter	O. Goodman.....	47(989)
Outlet Beach	R. J. Davison.....	393-3314 (2007)
Sandbanks	J. C. Matheson ..	393-3028 (476-3590)
North Beach	J. C. Matheson ..	399-2030 (476-3590)
Lake-on-the-Mountain....	R. J. Davison	393-3314 (2007)

*Duty Officers

WHITE RIVER FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: 200 Winnipeg Street, White River 822-2250

District Forester..... *J.R. Oatway..... 822-2250

SUPERVISORS

Accounts	D.D. Bird.....	822-2250 (2347)
Fish and Wildlife	E.A. Pozzo	822-2250 (2544)
Biologist	T.G. Harrison.....	822-2250 (2408)
Forest Protection	*W. Kitt	822-2250 (2188)
Lands and Parks.....	J.J. Sargent.....	822-2250 (2218)
Timber.....	*J.H. Sellers.....	822-2250 (2414)
Scaling	W.R. Doyon.....	822-2250 (2169)
Planning.....	R.M. Monzon.....	822-2250

CHIEF RANGERS

White River.....	*R. Paterick	822-2253 (2220)
Wawa	A.J. Bull	856-2445 (7324)

DEPUTY CHIEF RANGERS

White River.....	I. Riives.....	822-2253 (2596)
White River, Timber...	M.W. Pletch	822-2253 (2369)
Manitouwadge.....	M.P. Barker	826-3225 (2923)
White Lake Park	T.J. Leveque	1-R-11
Wawa.....	C.R. Petrosky.....	856-2120 (2460)
Wawa.....	J.D. Schreiber	856-2120 (7132)
Hobon Lake.....	R.G. Clermont	2216
Agawa Bay.....	F.E. Senecal.....	312 (2307)

UNIT FORESTERS

White River.....		822-2253
Wawa	H. Griffin.....	856-2120 (7191)
Wawa	J.H. Broderick.....	856-2120 (7059)

PROVINCIAL PARKS

Lake Superior Park		
- Red Rock Lake H.Q...	E.M. Montgomery...	856-2284 (4278)
- Agawa Bay H.Q.	F.E. Senecal.....	312 (2307)
White Lake Park	T.J. Leveque.....	1-R-11
Obatanga	J.G. Black.....	.....

* Duty Officers.

THE ONTARIO FOREST TECHNICAL SCHOOL

Area Code: 705

Telephone

DORSET.....		766-2242
Director.....	R.W. Hummel.....	766-2333
	B.Sc.F., Dipl. Res. Man.	
Accountant.....	W. Chambers.....	Carnarvon 489-2219
A/Accountant	G. Wagner.....	766-2261
Maintenance Supt.	E. Hayward	766-2304
Chef.....	M. McCallum	766-2242
Nurse, Housekeeping		
Supt.....	Mrs. P. Briscoe, Reg. N. ..	766-2237

FACULTY

J. E. Dickenson	Huntsville	789-2723
B.Sc.F., R.P.F.		
V.B. Collins		766-2335
B.A., M.S.A.		
E. Goodman		766-2312
R.P.F.		
D.L. Lillow		766-2238
G.J. Pennock	Dwight	635-2953
J.D. Ryan		766-2336

NEW POLICIES

[illegible]

RESEARCH BRANCH

The Research Branch was authorized under the Forestry Act of 1927. It was created by the appointment of a Chief in 1944, and the Southern Research Station was established in the same year.

The purpose of Research Branch is to provide a scientific basis for the planning and operation of the Department of Lands and Forests.

To achieve this objective, the functions of the biological components of our environment must be understood. We must increase our knowledge in the area of contact between the traditional disciplines.

The Research Branch Programme is designed to provide a mix of environmental and problem research which can, not only provide answers to immediate problems but anticipate and predict problem areas.

The Branch is organized along disciplinary lines with specialists in Fisheries, Forestry and Wildlife reporting for their sections to the Branch Chief. The three sections are divided into units based upon more intensive specialization within the discipline.

Administrative functions and all service units report to the Branch Chief through the Branch Administrator.

R. N. Johnston was appointed Chief on January 1, 1944.

A. P. Leslie was appointed Chief on September 15, 1964, when Mr. Johnston retired. Mr. Leslie retired on November 30, 1967.

D. R. Wilson was appointed Acting Chief for the period from December 1, 1967 to August 31, 1968.

Dr. W.R. Henson was appointed Chief on September 1, 1968.

RESEARCH BRANCH

CHIEF - DR. W. R. HENSON

ADMINISTRATION OFFICER - E. K. E. DREYER

Accounts, Biomathematics and Computer Services, Draughting, Equipment, Library, Mechanical Unit, Photography, Personnel, Public Relations, Reports.

FISHERIES SECTION

Supervisor: K. H. Loftus

Game Fish, Brook Trout, Lake Trout, Walleye, Smallmouth Bass.

Great Lakes: Lake Erie, Lake Huron, Lake Ontario, Lake Superior.

Maple Headquarters Units: Limnology, Parasitology, Productivity, Selective Breeding, Technical Studies.

FORESTRY SECTION

Supervisor: D. H. Burton

Developmental, Ecology, Forest Economics, Forest Protection, Mensuration, Nursery and Plantation, Quality Wood, Seed Research, Site, Tree Breeding, Tree Nutrition.

WILDLIFE SECTION

Supervisor: R. O. Standfield

Big Game, Diseases and Parasites, Furbearers, Predators, Upland Game and Waterfowl.

FISHERIES SECTION

This section is organized into two groups: the Great Lakes Fisheries Stations and other Units. The Great Lakes Units are located at Glenora (Lake Ontario), Wheatley (Lake Erie), Sault Ste. Marie and South Baymouth (Lake Superior and Lake Huron). They are a part of the District organization for administrative purposes, but the unit leaders report to the Fisheries Research Supervisor for planning and programming.

The other units reflect their function, being based upon disciplines and game fish species, and with the exception of the walleye and productivity units located at Port Arthur, are based at Maple. They consist of Brook Trout Unit, Lake Trout Unit, Smallmouth Bass Unit and Limnology Unit, Parasitology Unit, Selective Breeding Unit and Technical Studies Unit.

The Harkness Memorial Laboratory at Lake Opeongo in Algonquin Park serves as a summer base for any of the above units.

FORESTRY

Forestry research is similarly divided into Field Units attached to Tweed District, Ontario Forest Technical School, Dorset, Sault Ste. Marie District and Port Arthur District.

The following units are based at Maple: Nursery and Plantation, Site, Tree Breeding, Ecology, Silviculture, Seed Quality, Wood Science, Tree Nutrition, Forest Economics, Mensuration, Protection and Development.

WILDLIFE

This section, in addition to carrying out a research programme, provides a diagnostic service on animal parasites and diseases for the field staff.

The units, all based at Maple, are as follows: Big Game, Furbearers, Upland Game and Waterfowl, Predators, Wildlife Diseases and Parasites.

The Wildlife Disease and Parasites Unit is currently co-operating in the development of rabies vaccine for wildlife with the Connaught Laboratories of the University of Toronto.

A field station is maintained in Algonquin Park for use of Research Branch staff and university personnel.

ADMINISTRATION

The technical support units, consisting of bio-mathematics and computer consultation, draughting, mechanical development, library service and photography, report to the Branch Chief through the Branch Administrator.

Accounting services, station maintenance and operation, equipment control and personnel functions are also provided by the Administrative Unit.

NEW POLICIES

[illegible]

TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J.F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J.A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

On September 2nd, 1969 the Branch was reorganized into two sections, Timber Production and Timber Sales, and an Economics Unit.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 21 Districts is controlled by Timber Supervisors responsible to the District Forester. Districts are divided into Crown, Agreement Forest and Company Management Units.

In addition to management on Crown lands, Timber staff are responsible for the management of lands covered by agreements between the Minister and Conservation Authorities and Municipalities. They also provide an advisory and assistance service to private forest landowners.

J. A. Brodie was appointed Chief in 1959.

M. B. Morison was appointed Chief on September 1, 1964.

A.J. Herridge was appointed Chief on September 1, 1968.

TIMBER BRANCH

Chief: A. J. HERRIDGE

FOREST ECONOMICS UNIT

Supervisor: D. P. Drysdale

Forest Economics

TIMBER PRODUCTION SECTION

Supervisor: R. M. Dixon

Tree Production and Distribution
Silvicultural Operations
Agreement Forest Administration
Private Land Forestry

TIMBER SALES SECTION

Supervisor: J. Barron

Forest Resources Inventory
Management Planning
Sale of Timber
Scaling

TIMBER PRODUCTION SECTION

This section is responsible for:

- (a) the collection, processing, storing and distribution of sufficient tree seed for planting, seeding and research projects on private land, Agreement Forests and Crown land.
- (b) the improvement of tree seed of important commercial species through use of controlled collections and the establishment and development of seed orchards and seed production areas.
- (c) the production and distribution of stock for planting on private land, Agreement Forests and Crown land and special stock for Department of Highways and other government departments.
- (d) the regeneration of forests on Agreement Forests and Crown lands and on private lands under Woodlands Improvement Act agreements.
- (e) the tending of forests established on private land, Agreement Forests and Crown lands so as to improve the rate of growth and quality of the timber.
- (f) the administration of agreements made between the Minister and Corporations such as Conservation Authorities, Counties and Townships for the management of lands acquired by the Corporations for forestry purposes; recommending the payment of grants to Corporations to assist them in the acquisition of lands for agreement forest purposes.
- (g) advising and assisting Counties in the preparation of by-laws to be passed under The Trees Act to control the destruction of trees by cutting, burning or other means.
- (h) an extension service to provide information and guidance on forestry problems for private landowners, and negotiation of agreements under which planting and woodland improvement work is done on private land under The Woodlands Improvement Act.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1,480,539
1913-1925	13,096,866
1925-1930	46,642,175
1930-1935	51,996,837
1935-1940	67,900,012
1940-1945	57,617,763
1945-1946	13,175,575
1946-1947	12,269,533
1947-1948	13,049,776
1948-1949	17,700,970
1949-1950	19,027,807
1951-1952	20,749,268
1952-1953	24,241,754
1953-1954	23,448,860
1954-1955	25,519,383
1955-1956	28,351,483
1956-1957	31,081,112
1957-1958	25,854,262
1958-1959	33,414,110
1959-1960	41,682,125
1960-1961	49,833,412
1961-1962	43,194,863
1962-1963	43,767,916
1963-1964	43,922,685
1964-1965	49,484,068
1965-1966	49,019,854
1966-1967	51,712,461
1967-1968	54,805,170
1968-1969	52,157,150
TOTAL:	1,006,197,789

REFORESTATION ESTABLISHMENTS

As at March 31st, 1969

SEED PLANT	YEAR ESTABLISHED
Angus	1923
TREE NURSERIES	
Chapleau.....	1956
Gogama.....	1956
Sault Ste. Marie.....	1956
FOREST STATIONS	
Dryden	1958
Fort William.....	1946
Kemptville.....	1946
Midhurst	1922
Orono	1922
St. Williams	1908
Swastika	1958

Forest stations include tree nurseries and demonstration forests.

NURSERY STOCK

Furnished in Year Ended March 31st, 1969

Tree Species	For Use on Private Land	For Use of Ontario	Educational or Scientific	Total
White Pine	1,479,275	5,002,730	4,075	6,486,080
Red Pine	4,074,925	2,915,013	7,625	6,997,563
Jack Pine	216,950	6,719,320	100	6,936,370
Scotch Pine	1,252,655	83,801	200	1,336,656
White Spruce	2,733,260	17,400,447	3,417	20,137,124
Black Spruce ...	151,050	7,181,963	...	7,333,013
Norway Spruce .	542,160	90,454	1,250	633,864
Red Spruce	2,000	205,725	...	207,725
White Cedar.....	547,490	15,055	...	562,545
European Larch .	82,625	8,229	25	90,879
Tamarack	51,475	53,915	25	105,415
White Ash	81,318	35,696	75	117,089
Silver Maple	149,996	46,140	250	196,386
Red Oak	86,948	5,222	25	92,195
Carolina Poplar .	336,053	70,065	25	406,143
Black Locust ...	94,175	11,500	25	105,700
Other Species ..	73,810	338,587	6	412,403
TOTAL.....	11,956,165	40,183,862	17,123	52,157,150

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

COUNTY OR DISTRICT	1963	1964	1965	1966	1967	1968	1969
Algoma.....	266,075	229,525	243,475	182,950	168,025	75,050	152,250
Brant.....	99,650	93,350	83,450	108,400	182,050	163,050	96,650
Bruce.....	94,800	97,025	94,850	110,125	85,925	96,750	204,250
Carleton.....	223,750	215,850	216,125	218,575	170,825	134,000	304,475
Cochrane.....	60,450	3,500	2,375	7,100	3,000	7,525	12,200
Dufferin.....	430,525	353,125	271,000	281,150	242,950	307,225	431,675
Dundas.....	39,600	56,825	22,875	40,000	51,300	26,475	75,600
Durham.....	240,750	394,400	480,600	284,975	368,450	275,500	466,700
Elgin.....	135,450	130,750	65,475	81,650	79,450	65,625	138,725
Essex.....	38,525	36,225	56,525	52,550	48,625	67,675	47,350
Frontenac.....	128,950	107,575	120,250	130,950	155,500	161,925	140,675
Glengarry.....	61,775	26,175	41,625	62,375	58,950	276,350	200,825
Grenville.....	169,000	135,050	141,450	169,850	176,350	187,450	322,725
Grey.....	352,675	260,550	466,950	378,750	251,825	417,925	414,450
Haldimand.....	58,075	76,375	85,350	59,300	36,225	72,125	56,200
Haliburton.....	114,950	122,925	93,000	85,625	64,000	28,600	16,050
Halton.....	153,150	146,900	224,450	161,000	186,600	215,575	363,975
Hastings.....	389,750	251,400	313,375	256,725	196,500	161,725	308,450
Huron.....	205,950	190,800	190,150	182,225	114,950	93,800	25,650
Kenora.....	42,950	48,175	69,625	70,500	98,700	143,325	57,575
Kent.....	33,875	30,550	71,725	65,425	40,425	58,600	19,050
Lambton.....	96,075	78,875	110,550	69,025	74,650	91,975	59,280
Lanark.....	146,225	121,625	162,350	190,825	150,925	130,875	274,450
Leeds.....	73,400	71,575	65,500	45,175	102,475	60,225	178,450
Lennox & Addington...	107,975	59,125	87,525	57,300	52,925	54,325	68,425

Lincoln.....	79,150	53,050	31,900	52,650	35,700	70,050	54,875
Manitoulin.....	68,600	29,600	21,625	27,775	3,175	156,850	3,275
Middlesex.....	494,425	287,625	265,275	240,575	258,450	234,650	205,946
Muskoka.....	271,775	199,850	201,825	151,600	191,550	268,800	157,550
Nipissing.....	90,975	59,725	84,550	32,275	111,825	122,425	40,975
Norfolk.....	289,150	273,050	249,325	230,625	211,300	262,500	211,550
Northumberland.....	354,675	131,900	96,425	148,700	149,725	119,225	317,325
Ontario.....	468,675	459,625	342,325	348,075	548,550	335,100	256,425
Oxford.....	146,750	101,125	96,900	203,075	102,575	360,125	139,850
Parry Sound.....	339,300	280,225	235,850	262,325	128,300	192,525	179,875
Peel.....	602,925	503,725	376,850	576,175	616,075	385,875	425,274
Perth.....	46,625	64,000	40,750	77,850	276,625	48,325	77,150
Peterborough.....	128,675	120,700	142,175	112,650	138,750	356,225	324,993
Prescott.....	221,025	170,425	63,300	79,225	143,050	90,775	397,925
Prince Edward.....	37,325	24,075	14,525	49,150	38,150	19,475	20,950
Rainy River.....	146,000	92,800	71,350	63,175	79,100	130,187	71,938
Renfrew.....	458,150	391,550	288,550	252,575	289,525	821,750	1,391,825
Russell.....	78,700	5,200	108,250	139,075	102,950	153,825	216,375
Simcoe.....	821,350	616,525	700,325	1,326,350	1,546,500	881,685	880,110
Stormont.....	51,375	91,600	56,575	75,500	20,950	46,000	100,375
Sudbury.....	121,875	134,775	190,325	167,200	185,250	145,675	110,800
Thunder Bay.....	315,975	188,750	184,550	682,230	654,475	185,175	200,325
Timiskaming.....	28,075	14,600	19,175	23,900	15,200	11,400	10,550
Victoria.....	138,450	135,600	112,400	72,275	60,700	37,850	47,789
Waterloo.....	181,650	201,200	150,625	218,675	199,625	200,250	256,775
Welland.....	227,275	205,975	259,500	184,225	224,725	191,400	170,175
Wellington.....	299,850	197,650	442,800	389,800	525,900	193,175	607,750
Wentworth.....	257,825	205,350	216,675	284,950	315,100	310,495	318,500
York.....	799,000	592,675	613,450	538,700	786,575	514,050	322,835
TOTAL.....	11,505,775	9,597,300	9,016,400	10,791,980	11,312,900	10,219,517	11,956,165

FOREST AREAS MANAGED BY THE MINISTER as of March 31, 1969

23 CONSERVATION AUTHORITIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1968-69	Total
Ausable River	Dec. 13, 1951	.....	4,299.00
Big Creek Region	Dec. 2, 1954	66.50	3,766.40
Catfish Creek	Dec. 19, 1962	.....	501.00
Central Lake Ontario	Sept. 24, 1963	.....	195.00
Crowe Valley	Aug. 21, 1963	.....	200.00
Ganaraska Region	Jan. 31, 1947	100.00	8,548.60
Grand River	Mar. 18, 1952	.....	5,866.37
Hamilton Region	Oct. 19, 1962	.....	12.50
Lakehead Region	May 15, 1958	.....	1,266.70
Lower Thames Valley	Aug. 12, 1964	.....	300.00
Maitland Valley	Apr. 1, 1955	.....	949.00
Metropolitan Toronto and Region ..	Apr. 11, 1951	.....	1,928.00
Moira River	Nov. 28, 1951	545.00	16,497.00
Napanee Valley	Oct. 28, 1954	.....	6,666.00
Niagara Peninsula	June 6, 1963	.....	186.00
North Grey Region	June 25, 1958	100.00	7,255.00
Otonabee Region	May 15, 1963	100.00	1,545.00
Otter Creek	Apr. 26, 1957	.....	1,532.00
Sauble Valley	Sept. 29, 1959	810.00	3,816.00
Saugeen Valley	Dec. 15, 1952	250.00	13,258.00
South Nation River	Mar. 28, 1960	450.00	1,638.50
Sydenham Valley	July 13, 1965	.....	150.00
Upper Thames River	Apr. 11, 1951	.....	3,444.36
Sub-Totals		2,421.50	83,810.43
11 TOWNSHIPS			
Bonfield	Apr. 1, 1952	.....	60.00
Charlottenburgh	Apr. 1, 1955	.....	175.00
Cramahe	Jan. 14, 1964	.....	162.00
Cumberland	May 29, 1952	.....	808.44
Darlington	Aug. 19, 1964	.....	140.00
Galway & Cavendish	Nov. 1, 1952	.....	619.00
Machar	Dec. 30, 1963	.....	90.00
Marlborough	Nov. 21, 1953	.....	200.00
Mosa	July 16, 1964	.....	144.00
Torbolton	Mar. 28, 1953	.....	430.80
Williamsburgh	Oct. 19, 1962	.....	400.00
Sub-Totals .....		.....	3,229.24

FOREST AREAS MANAGED BY THE MINISTER (Continued)

24 COUNTIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1968-69	Total
Brant.....	Nov. 15, 1952	.....	50.00
Bruce.....	Jan. 20, 1950	.....	15,533.35
Carleton.....	July 30, 1964	.....	680.00
Dufferin.....	Nov. 26, 1930	.....	2,405.00
Grey.....	Dec. 21, 1937	.....	8,378.08
Halton.....	Mar. 14, 1950	.....	1,498.63
Huron.....	Nov. 27, 1950	.....	1,439.00
Kent.....	Dec. 23, 1953	.....	75.39
Lanark.....	July 5, 1940	.....	3,635.00
Leeds & Grenville.....	Apr. 24, 1940	1,345.00	10,217.00
Lennox & Addington.....	Apr. 3, 1952	.....	1,186.00
Middlesex.....	Mar. 8, 1954	458.40	1,793.00
Northumberland & Durham.....	June 10, 1924	100.00	5,819.00
Ontario.....	July 9, 1930	120.00	3,941.00
Oxford.....	Sept. 1, 1950	.....	716.56
Prescott & Russell.....	Mar. 15, 1937	225.00	24,750.06
Renfrew.....	Dec. 26, 1951	922.00	12,029.00
Simcoe.....	June 19, 1925	452.00	21,145.74
Stormont, Dundas & Glengarry.....	Sept. 20, 1949	200.00	2,248.45
Victoria.....	Aug. 10, 1928	.....	8,319.00
Waterloo.....	Apr. 17, 1950	.....	710.48
Wellington.....	June 18, 1964	.....	1,100.00
Wentworth.....	Nov. 27, 1952	.....	989.30
York.....	Mar. 27, 1924	487.00	4,725.08
Sub-Totals.....		4,309.40	133,385.02
GOVERNMENT OF CANADA			
National Capital Commission.....	Aug. 16, 1961	.....	3,632.00
TOTALS.....		6,730.90	224,056.69

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

CONSERVATION AUTHORITY	1963	1964	1965	1966	1967	1968	1969
Asable River.....	442,500	135,500	399,000	204,650	168,925	143,900	161,620
Big Creek Region.....	115,300	29,125	32,500	2,788	11,000	.....	26,500
Catfish Creek.....	32,500	46,000	36,000	.....	.....	9,200	3,000
Central Lake Ontario..	69,000	14,000	.....	.....	.....	.....	.....
Crowe Valley.....	.....	.....	24,750	.....	.....	.....	.....
Ganaraska Region.....	343,000	127,500	128,000	96,000	28,000	39,775	46,025
Grand River.....	250,300	101,600	63,900	145,500	60,300	72,000	23,500
Lakehead Region.....	40,000	.....	.....	.....	.....	40,000	.....
Maitland Valley.....	8,400	.....	127,900	48,200	13,000	22,550	.....
Metro Toronto & Region	67,000	51,100	19,300	18,000	22,200	46,700	11,200
Moirs River.....	217,000	307,000	226,650	184,000	60,000	61,250	20,000
Napanee Valley.....	30,000	.....	21,000	.....	.....	24,000	11,500
Niagara Peninsula.....	.....	.....	20,000	.....	.....	.....	.....
North Grey Region.....	172,170	95,325	87,250	51,326	57,525	11,900	37,000
Otonabee Region.....	.....	.....	.....	15,000	30,000	.....	30,000
Otter Creek.....	1,000	.....	.....	55,076	28,000	.....	19,500
Sauble Valley.....	.....	11,500	2,600	144,975	36,900	174,700	43,000
Saugeen Valley.....	115,850	185,050	170,975	79,202	70,250	89,000	63,325
South Nation River....	21,000	16,000	52,000	51,200	421,225	234,325	52,750
Sydenham Valley.....	.....	.....	.....	30,000	.....	.....	20,000
Upper Thames River....	40,000	36,500	.....	1,152	72,450	350	.....
Lower Thames Valley...	.....	.....	.....	.....	7,025	.....	.....
SUB-TOTAL.....	1,965,020	1,156,250	1,412,025	1,127,069	1,086,900	969,650	568,920
TOWNSHIP							
Charlottenburgh.....	.....	.....	.....	750	.....	.....	2,500
Cramahe.....	.....	.....	10,000	33,000	4,500	.....	.....
Cumberland.....	.....	.....	2,375	.....	.....	.....	.....
Darlington.....	.....	.....	.....	10,000	.....	.....	.....
Mosa.....	.....	.....	.....	.....	5,000	.....	.....
Galway, Cavendish....	.....	.....	43,500	18,000	.....	.....	.....
Nachar.....	.....	.....	45,000	.....	.....	.....	.....
Marlborough.....	90,550	10,000	.....	20,000	.....	.....	.....
Toronto.....	62,000	100,000	20,000	.....	.....	.....	.....
Williamsburgh.....	.....	.....	.....	.....	.....	.....	.....
SUB-TOTAL.....	152,550	110,000	140,875	81,750	9,500	.....	2,500

National Capital Commission.....		721,080	658,950	541,850	328,400	219,550	392,700	416,675
COUNTY								
Brant.....	500							
Bruce.....	19,500							
Carleton.....								
Dufferin.....								
Grey.....	69,480							
Halton.....	21,650							
Huron.....	31,100							
Kent.....								
Lanark.....	118,750							
Leeds & Grenville...	152,000							
Lennox & Addington...	114,000							
Middlesex.....	30,500							
Northumberland								
and Durham.....	172,000							
Ontario.....	3,500							
Oxford.....	10,000							
Prescott & Russell...	315,800							
Renfrew.....	283,000							
Simcoe.....	349,400							
Stormont, Dundas								
and Glengarry.....	78,000							
Victoria.....	185,000							
Waterloo.....	11,500							
Wellington.....								
Wentworth.....	12,000							
York.....	38,500							
SUB-TOTAL.....	2,028,780	2,072,865	2,286,565	1,474,355	1,799,400	1,919,900	1,521,345	
TOTAL.....	4,867,430	3,998,065	4,381,315	3,011,574	3,115,350	3,282,250	2,509,440	

TREES PLANTED ON CROWN LANDS in years ending March 31st

DISTRICT	1963	1964	1965	1966	1967	1968	1969
Aylmer.....	145,362	208,345	178,490	409,915	354,300	184,600	82,616
Chapleau.....	3,538,120	3,401,050	4,541,825	3,552,475	3,621,800	3,559,700	2,671,800
Cochrane.....	1,786,000	1,830,000	2,107,400	2,232,000	2,456,875	2,534,831	2,535,550
Fort Frances....	1,204,100	1,201,300	1,511,400	779,400	1,087,350	1,144,500	1,500,600
Geraldton.....	1,851,785	3,024,070	2,656,110	2,031,775	4,737,125	4,743,800	6,275,192
Gogama.....	4,210,925	3,818,975	3,938,300	4,135,125	3,696,225	3,181,577	.....
Hespeler.....	51,000	18,500	41,540	47,800	16,760	13,750	91,450
Kapuskasing.....	1,216,275	1,443,500	2,047,000	2,708,375	4,674,117	4,498,561	4,742,065
Kemptville.....	73,295	58,040	87,795	37,075	252,450	369,663	291,600
Kenora.....	369,900	1,080,600	463,600	849,050	1,298,100	948,585	2,060,575
Lindsay.....	489,700	542,090	846,359	603,500	899,100	790,000	228,000
Maple.....	263,293	168,067	61,475	45,320	40,325	.....	.....
North Bay.....	643,000	849,000	957,800	1,644,000	1,614,000	1,601,730	1,767,000
Parry Sound.....	545,165	364,948	639,380	458,200	754,731	892,850	775,985
Pembroke.....	1,207,022	1,374,600	1,628,595	937,255	1,097,000	1,569,775	1,460,275
Port Arthur.....	1,491,800	2,015,000	1,603,000	1,337,600	2,246,500	2,021,800	2,482,100
Sault Ste. Marie	3,828,956	3,402,885	3,922,200	2,827,895	3,150,750	3,051,625	2,508,925
Sioux Lookout....	141,200	250,400	590,100	695,500	738,300	1,776,905	2,094,600
Sudbury.....	1,890,525	1,759,337	2,528,737	1,931,700	2,611,780	3,343,536	2,555,350
Swastika.....	2,246,795	1,633,068	1,950,057	2,146,825	3,371,850	3,834,550	3,969,925
Tweed.....	912,000	1,356,050	1,034,000	693,850	1,138,612	1,172,800	783,050
White River.....	905,500	954,350	384,000	327,475	304,000	546,000	1,015,000
Miscellaneous....	79,303	.....	2,643,760	2,555,154	.....	.....	.....
TOTAL.....	29,091,021	30,754,175	36,362,906	32,987,264	40,162,050	41,781,138	39,891,658
Trees Planted By Department	33,958,451	34,752,240	40,744,221	35,998,838	43,277,400	45,063,388	42,401,098

TREES PLANTED IN FOREST DISTRICTS for year ending March 31st, 1969

District	CROWN LAND		AGREEMENT FORESTS		PRIVATE LAND	
	Nursery Trees	Tubed Seedlings	Nursery Trees	Nursery Trees	Nursery Trees	Nursery Trees
Chapleau.....	2,671,800	1,273,100	.....	.....	.....	.....
Cochrane.....	2,535,550	1,874,200	.....	.....	.....	12,200
Fort Frances.....	1,500,600	451,600	.....	.....	.....	71,938
Geraldton.....	6,275,192	2,564,304	.....	.....	.....	.....
Kapuskasing.....	4,742,065	1,183,900	.....	.....	.....	.....
Kemptville.....	291,600	.....	1,390,225	.....	.....	2,071,200
Kenora.....	2,060,575	143,000	.....	.....	.....	57,575
Lake Erie.....	82,616	.....	45,500	.....	.....	963,151
Lake Huron.....	91,450	.....	400,495	.....	.....	2,505,000
Lake Simcoe.....	.....	.....	385,445	.....	.....	2,316,319
Lindsay.....	228,000	.....	86,025	.....	.....	1,172,857
North Bay.....	1,767,000	862,000	.....	.....	.....	.....
Parry Sound.....	775,985	890,600	.....	.....	.....	337,425
Pembroke.....	1,460,275	454,600	121,000	.....	.....	1,432,800
Port Arthur.....	2,482,100	1,151,400	.....	.....	.....	200,325
Sault Ste. Marie.....	2,508,925	967,096	.....	.....	.....	152,250
Sioux Lookout.....	2,094,600	339,300	.....	.....	.....	.....
Sudbury.....	2,555,350	1,230,500	.....	.....	.....	114,075
Swastika.....	3,969,925	2,761,300	.....	.....	.....	10,550
Tweed.....	783,050	.....	80,750	.....	.....	538,500
White River.....	1,015,000	3,043,300	.....	.....	.....	.....
TOTALS.....	39,891,658	19,190,200	2,509,440	.....	.....	11,956,165

Nursery stock purchased from Kimberly-Clark Pulp and Paper Company Limited under Regeneration Agreements and included in above -
2,271,165.

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

Operations	1962	1963	1964	1965	1966	1967	1968	1969
Scarification and other site preparation.....	1,035	2,307	3,802	3,793	4,127	16,997	16,956	16,799
Scarification with cone scattering or seeding...	2,263	1,211	3,203	5,529	9,414	35,157	44,423	86,786
Cleaning and clearing...	12,053	6,768	9,581	7,545	6,290	4,481	3,291	13,591
Brush Control.....	3,906	2,595	6,165	8,728	18,494	12,620	23,053	25,236
Prescribed Burning.....	.....	66	97	1,560	7,500	.....	.....	.....
Thinning.....	583	2,286	1,973	743	.....	.....	.....	.....
Pruning.....	4,870	3,111	3,088	3,549	634	1,907	441	1,582
Xmas Tree Culture.....	509	Discontinued	.....	.....	.....	.....	.....	.....
Improvement Cutting.....	2,810	1,496	352	1,074	767**	888**	1,650**	3,534**
Girdling, Frilling and Poisoning.....	2,754	3,182	6,655	4,974	4,878	1,365	1,854	7,085
Tree Marking.....	.....	7,465	31	19,047	16,222	6,628	8,079	7,022
Harvest Cutting.....	1,498	1,824	923	1,047	1,340	1,483	9,200	9,747
Deer Habitat Improvement	.....	.....	664	2,463	9,173	21,132	.....	.....
TOTAL.....	32,281	32,311	36,534	60,052	78,839	102,658	108,947	171,382

** includes thinning

FOREST REGENERATION BY DISTRICTS — Acreage for year ending March 31st, 1969

Forest District	NATURAL REGENERATION				DIRECT SEEDING			PLANTING			ADDITIONAL*	
	Site Prepar.	Modified Harvest Systems	Seed- Tree System	Sub Total	Ground	Aerial	Sub- Total	Nursery Stock	Tubed Seedling	Sub- Total	Total Area Regener- ated	Areas of Site Preparation
CROWN LAND												
Chapleau.....	...	...	...	...	...	960	960	2,646	1,190	3,836	4,796	1,922
Cochrane.....	420	78	...	498	...	...	...	2,726	1,732	4,458	4,956	3,561
Fort Frances.....	...	...	...	...	...	...	...	2,728	530	3,258	3,258	550
Geraldton.....	1,595	125	...	1,720	437	520	957	8,885	2,564	11,449	14,126	3,945
Kapuskasing.....	...	...	...	...	...	...	...	7,296	1,480	8,776	8,776	6,136
Kemptville.....	...	...	...	...	...	...	...	455	...	455	455	130
Kenora.....	923	...	...	923	248	751	999	3,182	100	3,282	5,204	2,723
Lake Erie.....	...	...	...	...	...	...	...	375	...	375	375	...
Lake Huron.....	...	...	...	...	...	...	...	99	...	99	99	...
Lake Simcoe.....	...	...	...	...	...	...	...	...	...	...	...	...
Lindsay.....	748	...	...	748	...	...	...	305	...	305	1,053	...
North Bay.....	725	...	696	1,421	1,022	670	1,692	4,025	981	5,006	8,119	4,071
Parry Sound.....	1,072	...	...	1,072	...	...	...	1,364	585	1,949	3,021	864
Pembroke.....	416	9,057	1,732	11,205	...	...	...	3,888	535	4,423	15,628	863
Port Arthur.....	2,483	487	222	3,192	40	...	40	4,139	1,175	5,314	8,546	2,564
Sault Ste. Marie...	3,331	...	610	3,941	...	1,000	1,000	3,786	1,207	4,993	9,934	669
Sioux Lookout...	4,343	...	...	4,343	110	1,505	1,615	3,175	365	3,540	9,498	1,471
Sudbury.....	596	...	...	596	...	1,415	1,415	3,158	804	3,962	5,973	5,726
Swastika.....	...	...	...	...	...	...	...	4,160	2,451	6,611	6,611	14,459
Tweed.....	...	...	...	...	...	...	...	1,093	...	1,093	1,093	30
White River.....	52	...	...	52	940	...	940	1,137	2,847	3,984	4,976	3,422
Sub-Total:	16,704	9,747	3,260	29,711	2,797	6,821	9,618	58,622	18,546	77,168	116,497	53,106

*Not included in Total Area Regenerated.

FOREST REGENERATION BY DISTRICTS — Acreage for year ending March 31st, 1969

Forest District	NATURAL REGENERATION				DIRECT SEEDING			PLANTING			ADDITIONAL*	
	Site Prepar.	Modified Harvest Systems	Seed- Tree System	Sub Total	Ground	Aerial	Sub- Total	Nursery Stock	Tubed Seedling	Sub- Total	Total Area Regener- ated	Areas of Site Preparation
AGREEMENT FORESTS												
Kemptville.....	...	206	...	206	...	...	...	1,568	...	1,568	1,774	698
Lake Erie.....	...	...	...	...	...	...	...	45	...	45	45	...
Lake Huron.....	...	...	...	...	...	...	...	602	...	602	602	...
Lake Simcoe.....	3	132	...	135	...	...	...	510	...	510	645	71
Lindsay.....	...	...	...	...	...	...	...	98	...	98	98	64
Tweed.....	...	...	...	...	...	...	...	161	...	161	161	...
Pembroke.....	...	...	...	...	...	...	...	156	...	156	156	90
Sub-Total.....	3	338	...	341	...	...	...	3,140	...	3,140	3,481	923
TOTAL.....	16,707	10,085	3,260	30,052	2,797	6,821	9,618	61,762	18,546	80,308	119,978	54,029

*Not included in Total Area Regenerated.

FOREST TENDING BY DISTRICTS — Acreage for year ending March 31st, 1969

Forest District	Hand Cleaning	Herbicide Spraying	Thinning & Impr. Cutting	Girdl. Frill & Poisoning	Marking for improvement	Pruning	Fertilization	Total
CROWN LAND								
Chapleau.....	230	...	...	...	...	...	...	230
Cochrane.....	52	1,904	40	1,058	...	...	...	3,054
Fort Frances.....	...	2,829	...	...	...	...	...	2,829
Geraldton.....	405	...	60	...	...	...	...	465
Kapuskasing.....	124	11,122	5	...	...	...	70	11,321
Kemptville.....	...	...	...	355	...	...	...	355
Kenora.....	5	115	...	...	...	...	...	120
Lake Erie.....	...	...	...	...	...	...	...	...
Lake Huron.....	...	...	10	...	...	...	...	10
Lake Simcoe.....	...	...	...	...	...	...	...	...
Lindsay.....	999	...	...	1,051	...	770	...	2,820
North Bay.....	2,075	500	60	...	...	...	...	2,635
Parry Sound.....	780	40	110	2,765	...	104	...	3,799
Pembroke.....	353	930	2,538	1,013	...	...	...	4,834
Port Arthur.....	269	...	...	6	...	...	...	275
Sault Ste. Marie.....	7,034	2,656	423	660	662	584	...	12,019
Sioux Lookout.....	100	...	...	...	...	...	...	100
Subsury.....	281	2,924	...	...	...	...	...	3,205
Swastika.....	556	280	...	75	...	...	25	936
Tweed.....	338	425	288	102	3,100	124	...	4,367
White River.....	...	1,511	...	...	...	...	...	1,511
Sub-Total:.....	13,591	25,236	3,534	7,085	3,762	1,582	95	54,885

FOREST TENDING BY DISTRICTS — Acreage for year ending March 31st, 1969

Forest District	Hand Cleaning	Herbicide Spraying	Thinning & Impr. Cutting	Girdl. Frill & Poisoning	Marking for improvement	Pruning	Fertilization	Total
AGREEMENT FORESTS								
Kemptville.....	643	309	466	...	...	162	...	1,580
Lake Erie.....	10	...	90	...	...	36	...	136
Lake Huron.....	273	13	27	326	55	407	...	1,101
Lake Simcoe.....	236	...	721	97	...	1,351	...	2,405
Lindsay.....	262	...	184	170	98	433	...	1,147
Pembroke.....	20	...	...	...	...	45	...	65
Tweed.....	...	...	50	...	...	...	...	50
Sub-Total:	1,444	322	1,538	593	153	2,434	...	6,484
TOTAL:	15,035	25,558	5,072	7,678	3,915	4,016	95	61,369

ECONOMICS UNIT

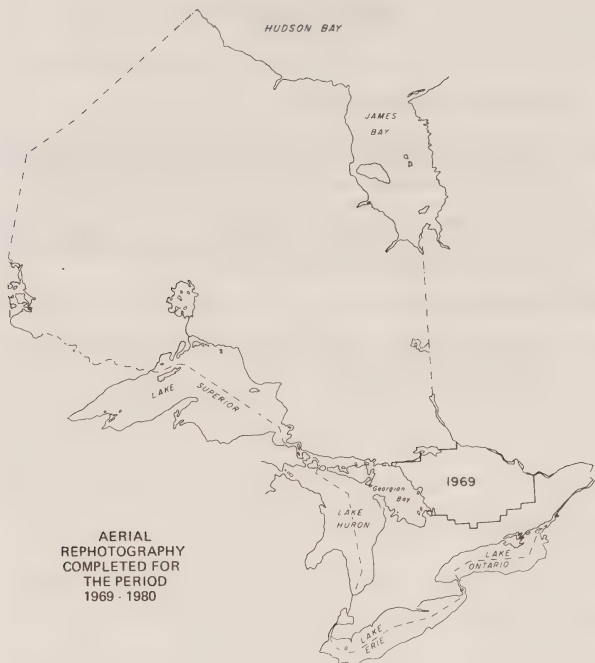
This Unit advises on economics and marketing by:

- (i) collecting and analysing information on production, transportation and marketing of timber.
- (ii) assisting established forest industry by providing information and data; conducting feasibility studies to accommodate prospective industry and facilitating contact with other Government agencies.
- (iii) conducting special studies such as forest industry impact on Government revenues and owner attitude toward various uses of forest land.
- (iv) issuing saw mill licenses, preparing domestic saw mill directories and interpreting statistical information for the Branch.

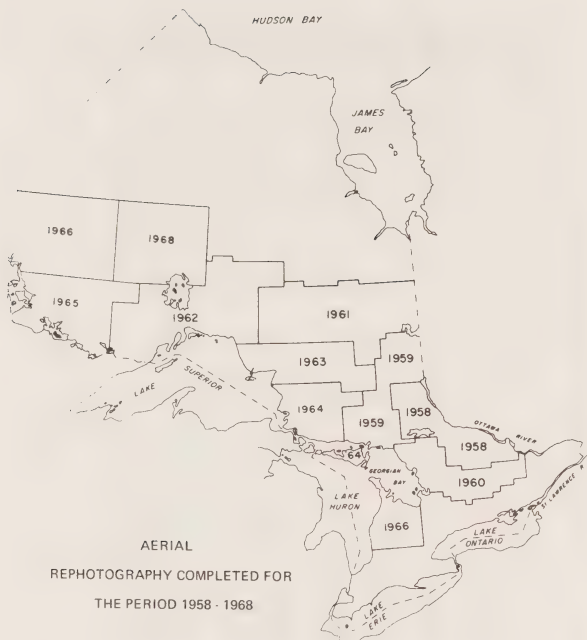
TIMBER SALES SECTION

This Section is responsible for:

- (a) The inventory of forest resources on Crown lands. The policy with respect to inventory on large licences has been changed to one in which the Department will carry out all inventories.
- (b) The preparation of management plans for Crown Management Units and Agreement Forests and the approval of plans prepared for Company Management Units.
- (c) The sale of timber.
- (d) The measurement of timber cut on Crown lands for the purposes of collecting charges.



An up-to-date record of the condition of our forests is an essential part of management planning. Aerial photography has become an increasingly important source of such data since its beginning here in 1926. During the 1946-1956 decade, almost the entire province was photographed, and a forest resources inventory was issued in 1958.



TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	Ontario Scale	Sawlogs	Tree Length	*Long Timber	Pulpwood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Stumpage Value
1954	.....	46,025	12,119	.....	851	225,659	3,647	26,840	315,141	27	\$8,581	\$2,175	\$10,756
1955	.....	61,493	12,029	.....	2,378	245,988	4,804	8,114	334,806	43	9,135	2,523	11,658
1956	5,403	77,087	33,326	.....	2,259	262,146	4,214	826	379,888	64	9,619	2,573	12,191
1957	5,192	73,986	22,967	.....	2,781	289,985	4,517	858	395,054	45	10,740	2,774	13,514
1958	5,051	55,938	27,762	.....	2,796	245,161	3,891	1,290	336,838	16	8,987	2,578	11,565
1959	5,421	51,470	28,687	.....	2,644	207,003	3,968	1,836	295,608	23	7,950	2,346	10,297
1960	5,096	64,571	28,795	.....	3,499	246,493	2,744	2,038	348,140	6	9,493	2,789	12,282
1961	5,114	55,521	52,303	.....	2,720	232,744	2,678	1,146	347,112	2	9,509	2,674	12,182
1962	4,534	56,558	30,001	.....	1,474	233,782	2,091	1,695	325,601	1	8,775	2,522	11,297
1963	4,664	63,678	38,321	.....	1,267	237,423	1,965	3,195	345,850	1	9,302	2,790	12,091
1964	4,392	65,647	56,368	.....	1,524	231,301	1,614	3,611	360,065	2	9,658	2,848	12,506
1965	3,095	68,469	59,000	.....	2,467	240,209	1,601	4,463	376,209	20	10,264	3,191	13,455
1966	3,330	60,282	55,106	11,494	2,407	250,429	1,143	4,980	385,841	39	10,485	2,961	13,446
1967	2,805	50,592	42,949	39,716	1,966	281,445	1,028	5,773	423,469	116	11,585	2,997	14,582
1968	2,695	52,980	46,739	108,937	1,448	218,378	1,739	5,674	435,895	55	11,627	3,239	14,866

(d)Includes Doyle Scale.

† Number of trees in 000's.

*Includes piling, poles, dimension and boom timber.

TIMBER CUT IN FOREST DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1968

DISTRICTS	Permits Issued	Ontario Scale	Saw- Logs	Tree Length	*Long Timber	Pulp- wood	Fuel- wood	Misc.	Total Volume	Dues	Bonus	Value
Chapleau.....	52	1,302	10,268	2,673	13	12,186	23	...	26,465	\$ 641	\$55	\$ 696
Cochrane.....	229	1,788	5,139	4,030	15	35,839	59	1	46,871	1,320	219	1,539
Fort Frances.....	169	26	733	4,297	20	8,885	19	51	14,031	333	84	417
Geraldton.....	59	...	1,059	27,607	66	32,589	38	7	61,366	1,617	149	1,766
Kapuskasing.....	363	...	8,751	15,416	22	36,928	69	1	61,187	1,902	410	2,312
Kemptville.....	9	163	...	...	...	5	5	...	173	4	5	9
Kenora.....	207	...	406	5,618	114	22,888	22	16	29,064	824	126	950
Lake Simcoe.....	4	...	...	...	...	...	2	...	2	...	...	...
Lindsay.....	55	1,015	...	...	4	28	19	2	1,068	24	26	50
North Bay.....	242	10,605	98	832	75	6,810	37	4	18,461	409	390	799
Parry Sound.....	183	4,563	84	...	35	183	56	269	5,190	126	205	331
Pembroke.....	111	14,534	31	...	710	5,431	19	3	20,728	443	461	904
Port Arthur.....	226	47	8,138	28,027	124	18,102	29	...	54,467	1,504	202	1,706
Sault Ste. Marie....	149	15,619	381	...	3	2,196	1,088	2	19,289	450	420	870
Sioux Lookout.....	80	100	486	13,064	86	21,409	129	...	35,274	1,002	99	1,101
Sudbury.....	176	145	5,018	...	34	4,258	42	2	9,499	228	117	345
Swastika.....	186	368	6,129	3,191	112	6,788	63	16	16,667	417	116	533
Tweed.....	180	2,705	...	...	15	1,286	12	6	4,524	75	112	187
White River.....	15	...	21	4,182	...	7,351	4	11	11,569	308	42	350

CHRISTMAS TREES: Fort Frances 54,520; Geraldton 457; Sault Ste. Marie 100; Sudbury 50; Total 55,127.

*Includes Piling, poles, dimension and boom timber.

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
CHAPLEAU							
Board Foot Measure							
Ontario Scale							
Birch, yellow.....	249		10,922	2,041.50	54.61	54.61	109.22
Pine, red.....	465		52,034	9,725.98	260.18	121.60	381.78
Pine, white.....	63,280		6,902,878	1,290,257.57	34,514.41	14,466.44	48,980.85
Total Ontario Scale.....	63,994		6,965,834	1,302,025.05	34,829.20	14,642.65	49,471.85
Cubic Foot Measure							
Sawlogs							
Balsam.....	16,313		80,392.71	80,392.71	1,326.48	280.82	1,607.30
Birch, white.....	6,149		43,919.43	43,919.43	263.52	131.76	395.28
Pine, jack.....	1,506,816		7,202,046.40	7,202,046.40	169,248.18	20,086.15	189,334.33
Poplar.....	61,361		439,240.79	439,240.79	2,635.45	1,295.10	3,930.55
Spruce.....	467,649		2,502,544.84	2,502,544.84	82,583.99	8,564.74	91,148.73
Total Sawlogs.....	2,058,288		10,268,144.17	10,268,144.17	256,057.62	30,358.57	286,416.19
Tree Length Material							
Balsam.....	1,553		11,629.25	11,629.25	191.88	40.70	232.58
Pine, jack.....	103,358		1,209,397.12	1,209,397.12	28,420.83	1,467.50	29,888.33
Spruce.....	169,108		1,451,945.84	1,451,945.84	47,914.21	1,924.55	49,838.76
Total Tree Length Material	274,019		2,672,972.21	2,672,972.21	76,526.92	3,432.75	79,959.67
Long Timber							
Cedar.....	35		183.33	183.33	5.00	5.00	10.00
Pine, jack.....	860		13,112.22	13,112.22	556.32	131.12	687.44
Total Long Timber.....	895		13,295.55	13,295.55	561.32	136.12	697.44
Total Cubic Foot Measure	2,333,202		12,984,411.93	12,984,411.93	333,145.86	33,927.44	367,073.30
Cordage							
Pulpwood							
Balsam.....		72.17		6,134.45	101.05	35.73	136.78
Birch, white.....		724.39		61,573.15	362.20		362.20

172,219.91	138.00
18.00	130.00
3.25	268.00
12,931.13	278,984.24
93,044.97	49,471.85
278,716.24	367,073.30
	695,529.39

8.01	
21,782.80	
19.37	
12,278.37	
55.11	
19,800.46	
53,944.12	
33,796.61	
26,709.14	
60,505.75	
114,449.87	

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
COCHRANE Cont'd.							
Cubic Foot Measure							
Sawlogs	17,104		80,806.30	80,806.30	1,333.31	324.45	1,657.76
Balsam.....	22,315		123,823.95	123,823.95	742.24	704.83	1,447.07
Birch, white.....	442,367		1,960,476.83	1,960,476.83	46,071.22	26,545.25	72,616.47
Pine, jack.....	147		1,735.16	1,735.16	57.26	34.39	91.65
Pine, white.....	135,681		830,530.08	830,530.08	4,983.14	4,746.15	9,729.29
Poplar.....	472,502		2,141,251.97	2,141,251.97	70,661.30	9,263.70	79,925.00
Spruce.....					123,848.47	41,618.77	165,467.24
Total Sawlogs (cubic).....	1,090,116		5,138,624.29	5,138,624.29			
Tree Length Material							
Pine, jack.....	50,468		441,149.24	441,149.24	10,367.01	7,201.29	17,568.30
Spruce.....	142,616		1,296,808.98	1,296,808.98	42,794.69	9,073.41	51,868.10
Total Tree Length Material	193,084		1,737,958.22	1,737,958.22	53,161.70	16,274.70	69,436.40
Long Timber							
Pine, jack.....	269		4,985.36	4,985.36	170.66	41.29	211.95
Spruce.....	262		9,650.27	9,650.27	325.12	31.94	357.06
Total Long Timber.....	531		14,635.63	14,635.63	495.78	73.23	569.01
Total Cubic Foot Measure..	1,283,731		6,891,218.14	6,891,218.14	177,505.95	57,966.70	235,472.65
Cordage							
Pulpwood		24,380.98		2,072,383.30	34,133.38	7,961.02	42,094.40
Balsam.....		52.00		4,420.00	26.00	5.20	31.20
Birch, white.....		9.00		765.00	12.60	.90	13.50
Cedar.....		49,487.93		4,206,474.05	98,975.86	5,492.32	104,468.18
Pine, jack.....		3,017.37		256,476.45	1,508.68	760.20	2,268.88
Poplar.....		322,525.32		27,414,652.20	903,070.91	116,548.37	1,019,619.28
Spruce.....		399,472.60		33,955,171.00	1,037,727.43	130,768.01	1,168,495.44
Total Pulpwood.....							
Fuelwood		703.30		59,780.50	351.65	12.50	364.15
Hardwood.....		703.30		59,780.50	351.65	12.50	364.15
Total Fuelwood.....							

[illegible]

	Number of District Cutting Licences issued and included in above	229	-- \$69,304.16
...

Board Foot Measure			
Ontario Scale			
Ash.....	03	104	19.44
Balsam.....	43	618	115.51
Birch, white.....	20	1,082	202.24
Cedar.....	1,143	32,019	5,984.86
Pine, jack.....	53	2,152	402.24
Pine, red.....	1,084	65,674	12,275.51
Pine, white.....	355	30,537	5,707.85
Spruce.....	219	9,066	1,694.58
Total Ontario Scale.....	2,920	141,252	26,402.23
Tree Length Material			
Balsam.....	251	8,479	1,584.86
Pine, jack.....	290,987	9,865,122	1,843,948.04
Pine, red.....	243	14,941	2,792.71
			74.71
			39,460.49
			33.62
			108.33
			50.88
			16.96
			33.92
			2.47
			1.55
			88.33
			7.01
			521.69
			212.62
			365.31
			72.52
			36.26
			626.59
			867.46
			1,494.05

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
FORT FRANCES Cont'd.							
Tree Length Material Cont'd.							
Pine, white.....	103		16,680	3,117.76	83.40	37.53	120.93
Spruce.....	219,977		5,574,026	1,041,874.02	22,296.10	8,361.04	30,657.14
Total Tree Length Material	511,561		15,479,248	2,893,317.39	61,948.62	8,449.15	70,397.77
Total Board Foot Measure..	514,481		15,620,500	2,919,719.62	62,575.21	9,316.61	71,891.82
Cubic Foot Measure							
Sawlogs							
Ash.....	21		176.71	176.71	1.06	2.47	3.53
Balsam.....	34		182.88	182.88	3.02	2.47	5.49
Cedar.....	518		3,841.92	3,841.92	63.39	145.63	209.02
Pine, jack.....	122,385		544,493.74	544,493.74	12,795.57	4,165.67	16,961.24
Pine, red.....	3,617		45,464.46	45,464.46	1,500.33	1,763.02	3,263.35
Pine, white.....	788		11,486.58	11,486.58	379.06	467.82	846.88
Poplar.....	15,366		114,126.64	114,126.64	684.76	296.41	981.17
Spruce.....	3,108		12,781.41	12,781.41	421.78	171.23	593.01
Total Sawlogs.....	145,837		732,554.34	732,554.34	15,848.97	7,014.72	22,863.69
Tree Length Material							
Pine, jack.....	46,772		628,455.13	628,455.13	14,768.69	1,128.46	15,897.15
Pine, red.....	136		2,503.90	2,503.90	82.63	3.00	85.63
Pine, white.....	24		620.38	620.38	20.47	.74	21.21
Poplar.....	5,807		77,283.16	77,283.16	463.70	92.74	556.44
Spruce.....	116,040		693,977.39	693,977.39	22,901.25	2,085.63	24,986.88
Total Tree Length Material	168,779		1,402,839.96	1,402,839.96	38,236.74	3,310.57	41,547.31
Long Timber							
Cedar.....	10		204.32	204.32	9.40	4.09	13.49
Pine, red.....	336		16,653.34	16,653.34	998.90	333.07	1,331.97
Pine, white.....	43		3,169.51	3,169.51	190.17	63.39	253.56
Spruce.....	02		92.53	92.53	5.55	.93	6.48
Total Long Timber.....	391		20,119.70	20,119.70	1,204.02	401.48	1,605.50
Total Cubic Foot Measure..	315,007		2,155,514.00	2,155,514.00	55,289.73	10,726.77	66,016.50

FORT FRANCES Cont'd.

Cordage					
Pulpwood					
Balsam.....	1,754.14	149,101.90	2,455.80	645.26	3,101.06
Birch, white.....	49.00	4,165.00	24.50		24.50
Cedar.....	10.00	850.00	14.00		14.00
Pine, jack.....	40,967.75	3,482,258.75	81,935.50	12,104.37	94,039.87
Pine, jack (export levy)...	(28,785.42)	(2,446,760.70)		14,392.77	14,392.77
Pine, red.....	144.11	12,249.35	201.76	14.63	216.39
Pine, white.....	7.96	676.60	11.14	1.01	12.15
Poplar.....	20,178.38	1,715,162.30	10,089.21	6,682.00	16,771.21
Spruce.....	41,413.86	3,520,178.10	115,958.79	30,235.72	146,194.51
Total Pulpwood.....	104,525.20	8,884,642.00	210,690.70	64,075.76	274,766.46
Fuelwood					
Hardwood.....	186.50	15,852.50	93.25	100.25	193.50
Softwood.....	42.00	3,570.00	21.00	10.50	31.50
Total Fuelwood.....	228.50	19,422.50	114.25	110.75	225.00
Total Cordage.....	104,753.70	8,904,064.50	210,804.95	64,186.51	274,991.46
Miscellaneous					
Posts - lin. ft.					
Cedar.....	15,438	23,965.20	1,198.26		1,198.26
Christmas Trees.....	54,520	27,260.00	2,726.00		2,726.00
Total Miscellaneous.....	69,958	51,225.20	3,924.26		3,924.26
Total Antonio Scale.....	514,481	2,915,719.62	62,575.21	9,316.61	71,891.82
Total Cubic Foot Measure..	315,007	2,155,514.00	55,289.73	10,726.77	66,016.50
Total Cordage.....	104,753.70	8,904,064.50	210,804.95	64,186.51	274,991.46
Grand Total.....	899,446	14,030,523.32	332,594.15	84,229.89	416,824.04
Number of District Cutting Licences issued and included in above		169	--	\$61,505.41	

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
GERALDTON							
Cubic Foot Measure							
Sawlogs	91,695		80,487.00	80,487.00	1,328.04	281.70	1,609.74
Balsam.....	23,746		284,959.00	284,959.00	1,709.75	313.45	2,023.20
Birch, white.....	118		1,438.00	1,438.00	23.73	.28	24.01
Cedar.....	13,294		264,049.99	264,049.99	6,209.69	319.12	6,528.81
Pine, jack.....	5,593		67,126.00	67,126.00	402.76	73.84	476.60
Poplar.....	32,027		360,644.12	360,644.12	11,898.63	841.18	12,739.81
Spruce.....							
Total Sawlogs.....	166,473		1,058,704.11	1,058,704.11	21,572.60	1,829.57	23,402.17
Tree Length Material							
Balsam.....	134,818		1,770,788.16	1,770,788.16	29,202.42	4,655.19	33,857.61
Birch, white.....	2,506		29,090.41	29,090.41	174.54	32.00	206.54
Pine, jack.....	673,901		7,899,092.89	7,899,092.89	185,687.80	9,431.61	195,119.41
Poplar.....	41,416		841,155.03	841,155.03	5,046.93	925.27	5,972.20
Spruce.....	2,692,703		17,066,864.24	17,066,864.24	562,849.41	36,548.64	599,398.05
Total Tree Length Material	3,545,344		27,606,990.73	27,606,990.73	782,961.10	51,592.71	834,553.81
Long Timber							
Cedar.....	57		532.95	532.95	15.99		15.99
Pine, jack.....	1,819		35,794.20	35,794.20	844.50	45.23	889.73
Spruce.....	1,180		29,675.70	29,675.70	979.03	151.75	1,130.78
Total Long Timber.....	3,056		66,002.85	66,002.85	1,839.52	196.98	2,036.50
Total Cubic Foot Measure..	3,714,873		28,731,697.69	28,731,697.69	806,373.22	53,619.26	859,992.48
Cordage							
Pulpwood							
Balsam.....	12,117.12			1,029,955.20	16,964.03	4,134.64	21,098.67
Birch, white.....	7,397.39			628,778.15	3,699.03	242.86	3,941.89
Cedar.....	27.00			2,295.00	37.80	2.70	40.50
Pine, jack.....	62,010.64			5,270,904.40	124,021.28	6,208.37	130,229.65
Poplar.....	50,278.27			4,273,652.95	25,139.17	89.13	25,228.30

GERALDTON Cont'd.

Cordage Cont'd.				
Spruce.....	225,084.58	19,132,189.30	627,135.54	78,919.13
Tamarack.....	54.63	4,643.55	76.48	76.48
Total Pulpwood.....	356,969.63	30,342,418.55	797,073.33	89,596.83
Fuelwood				
Softwood.....	447.00	37,995.00	223.50	12.25
Total Fuelwood.....	447.00	37,995.00	223.50	12.25
Bolts				
Birch, white.....	489.75	41,628.75	245.78	122.89
Poplar.....	25,938.78	2,204,796.30	13,075.26	5,286.83
Total Bolts.....	26,428.53	2,246,425.05	13,321.04	5,409.72
Total Cordage.....	383,845.16	32,626,838.60	810,617.87	95,018.80
Miscellaneous				
Posts - Lin. ft.				
Cedar.....	105	152.00	7.60	14.65
Spruce.....	24	48.00	2.40	2.60
Mining Timber - cu. ft.				
Pine, jack.....	669	6,816.52	160.38	8.02
Spruce.....	44	144.16	4.76	.43
Christmas Trees.....	457	228.50	45.70	.55
Total Miscellaneous.....	1,299	7,389.18	220.84	26.25
Total Cubic Foot Measure..	3,714,873	28,731,697.69	806,373.22	53,619.26
Total Cordage.....		32,626,838.60	810,617.87	95,018.80
Grand Total.....	3,716,172	61,365,925.47	1,617,211.93	148,664.31
Number of District Cutting Licences issued and included in above				
			59	\$3,060.81

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
KAPUSKASING							
Cubic Foot Measure							
Sawlogs							
Balsam.....	45,285		203,777.35	203,777.35	3,361.30	3,110.70	6,472.00
Birch, white.....	28,616		177,000.12	177,000.12	1,056.41	2,110.42	3,166.83
Cedar.....	289		3,474.80	3,474.80	57.23		57.23
Pine, jack.....	171,179		888,838.39	888,838.39	20,909.96	1,824.77	22,734.73
Poplar.....	133,791		1,249,316.51	1,249,316.51	7,411.37	16,332.13	23,743.50
Spruce.....	1,391,463		6,228,438.35	6,228,438.35	205,467.83	54,164.01	259,631.84
Tamarack.....	02		21.25	21.25	.35		.35
Total Sawlogs.....	1,770,625		8,750,866.77	8,750,866.77	238,264.45	77,542.03	315,806.48
Tree Length Material							
Balsam.....	166,553		930,557.90	930,557.90	15,328.88	5,775.27	21,104.15
Cedar.....	31		1,279.50	1,279.50	21.11	30.07	51.18
Pine, jack.....	23,288		419,751.89	419,751.89	9,864.18	7,754.14	17,618.32
Spruce.....	2,133,275		14,063,995.91	14,063,995.91	463,603.38	93,252.90	556,856.28
Total Tree Length Material	2,323,147		15,415,585.20	15,415,585.20	488,817.55	106,812.38	595,629.93
Long Timber							
Poplar.....	26		398.72	398.72	16.84		16.84
Spruce.....	1,133		22,157.20	22,157.20	1,116.75		1,116.75
Total Long Timber.....	1,159		22,555.92	22,555.92	1,133.59		1,133.59
Total Cubic Foot Measure..	4,094,931		24,189,007.89	24,189,007.89	728,215.59	184,354.41	912,570.00
Cor dage							
Pulpwood							
Balsam.....		15,536.90		1,320,636.50	21,751.66	5,691.10	27,442.76
Pine, jack.....		5,914.50		502,732.50	11,829.00	592.72	12,421.72
Pine, jack (export levy) ..		(2,326.00)		(197,710.00)		1,163.00	1,163.00
Poplar.....		4,990.54		424,195.90	2,495.28	946.16	3,441.44
Spruce.....		405,907.36		34,502,125.60	1,136,540.60	197,091.21	1,333,631.81
Spruce (export levy).....		(18,115.04)		(1,539,778.40)		18,115.04	18,115.04
Total Pulpwood.....		432,349.30		36,749,690.50	1,172,616.54	223,599.23	1,396,215.77

KAPLSKASING Cont'd.

Cordage Cont'd.					
Fuelwood					
Softwood.....	815.61	69,326.85	407.81		407.81
Total Fuelwood.....	815.61	69,326.85	407.81		407.81
Bolts					
Birch, white.....	13.78	1,171.30	6.90	8.64	15.54
Poplar.....	2,085.99	177,309.15	1,043.00	2,006.73	3,049.73
Total Bolts.....	2,099.77	178,480.45	1,049.90	2,015.37	3,065.27
Total Cordage.....	435,264.68	36,997,497.80	1,174,074.25	225,614.60	1,399,688.85
Miscellaneous					
Posts - lin. ft.					
Cedar.....	545	4,355	871.00	43.55	43.55
Total Miscellaneous.....	545		871.00	43.55	43.55
Total Cubic Foot Measure..	4,094,931	24,189,007.89	24,189,007.89	728,215.59	912,570.00
Total Cordage.....	435,264.68	36,997,497.80	1,174,074.25	225,614.60	1,399,688.85
Grand Total.....	4,095,476	61,187,376.69	1,902,333.39	409,969.01	2,312,302.40
		Number of District Cutting Licences issued and included in above		363	\$193,043.41

KEMPTVILLE

Board Foot Measure		
Ontario Scale		
Ash.....	126	5,010
Balsam.....	09	391
Basswood.....	2,753	143,925
Beech.....	296	15,979
Birch, white.....	321	12,481
Birch, yellow.....	120	6,549
Butternut.....	60	3,870
Cedar.....	198	8,859
Elm.....	194	23,262
Hemlock.....	2,625	182,494
		936.45
		73.08
		26,901.87
		2,986.73
		2,332.90
		1,224.11
		723.36
		1,655.89
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,348.04
		34,111.03
		25.06
		1.56
		719.63
		23.96
		18.72
		32.75
		5.80
		26.57
		116.31
		4,34

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
KEMPTVILLE Cont'd.							
Board Foot Measure Cont'd.							
Maple.....	1,871		147,743	27,615.51	738.72	648.64	1,387.36
Oak.....	2,168		100,811	18,843.18	504.06	935.67	1,439.73
Pine, white.....	3,299		190,242	35,559.25	951.22	1,836.39	2,787.61
Poplar.....	498		23,013	4,301.50	34.52	85.28	119.80
Spruce.....	72		4,090	764.49	16.36	16.18	32.54
Total Ontario Scale.....	14,610		868,719	162,377.39	3,762.73	4,943.71	8,706.44
Cordage							
Pulpwood							
Hemlock.....		55.16		4,688.60	77.22	5.52	82.74
Hardwood.....		1.25		106.25	.63		.63
Total Pulpwood.....		56.41		4,794.85	77.85	5.52	83.37
Fuelwood							
Hardwood.....		62.10		5,278.50	31.05	407.85	438.90
Total Fuelwood.....		62.10		5,278.50	31.05	407.85	438.90
Total Cordage.....		118.51		10,073.35	108.90	413.37	522.27
Miscellaneous							
Posts - Lin. ft.							
Cedar.....	252		1,890	378.00	18.90	4.64	23.54
Total Miscellaneous.....	252			378.00	18.90	4.64	23.54
Total Ontario Scale.....	14,610		868,719	162,377.39	3,762.73	4,943.71	8,706.44
Total Cordage.....		118.51		10,073.35	108.90	413.37	522.27
Grand Total.....	14,862	118.51		172,828.74	3,890.53	5,361.72	9,252.25
Number of District Cutting Licences issued and included in above					9	\$5,901.29	

Cubic Foot Measure

223

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
KENORA Cont'd.							
Cordage Cont'd.							
Fuelwood							
Hardwood.....		94.06		7,995.10	47.03	47.03	94.06
Softwood.....		160.73		13,662.05	80.36	80.37	160.73
Total Fuelwood.....		254.79		21,657.15	127.39	127.40	254.79
Total Cordage.....		269,523.24		22,909,475.40	636,125.24	111,749.77	747,875.01
Miscellaneous							
Posts - lin. ft.							
Cedar.....	10,184		79,587	15,917.40	795.87	197.84	993.71
Total Miscellaneous.....	10,184			15,917.40	795.87	197.84	993.71
Total Cubic Foot Measure..	839,019		6,138,396.44	6,138,396.44	186,740.27	14,192.48	200,932.75
Total Cordage.....		269,523.24		22,909,475.40	636,125.24	111,749.77	747,875.01
Grand Total.....	849,203	269,523.24		29,063,789.24	823,661.38	126,140.09	949,801.47
LAKE SIMCOE							
Cordage							
Fuelwood							
Hardwood.....		28.00		2,380.00	14.00	14.00	28.00
Total Fuelwood.....		28.00		2,380.00	14.00	14.00	28.00
Total Cordage.....		28.00		2,380.00	14.00	14.00	28.00
Grand Total.....		28.00		2,380.00	14.00	14.00	28.00
Number of District Cutting Licences issued and included in above					4	\$28.00	
Number of District Cutting Licences issued and included in above					207	\$79,515.94	

LINDSAY

Board Foot Measure

Ontario Scale

Ash.....	677	39,027	7,294.77	195.15	136.27	331.42
Balsam.....	931	25,528	4,771.59	102.11	145.59	247.70
Basswood.....	4,898	310,124	57,967.10	1,550.64	1,914.21	3,464.85
Beech.....	6,950	494,870	92,499.07	742.31	1,127.98	1,870.29
Birch, white.....	1,167	49,411	9,235.70	74.13	288.64	362.77
Birch, yellow.....	5,905	490,860	91,749.53	2,454.31	4,134.72	6,589.03
Cedar.....	154	5,831	1,089.91	17.49	18.84	36.33
Cherry.....	132	8,566	1,601.12	42.84	11.14	53.98
Elm.....	891	77,360	14,459.81	386.80	321.68	708.48
Hemlock.....	10,021	731,091	136,652.52	2,193.28	1,294.28	3,487.56
Maple.....	35,139	2,750,619	514,134.39	13,753.10	13,325.31	27,078.41
Oak.....	629	37,057	6,926.54	185.29	158.10	343.39
Pine, red.....	756	21,589	4,035.33	107.95	128.70	236.55
Pine, white.....	3,069	197,322	36,882.62	986.63	1,471.41	2,458.04
Poplar.....	1,998	98,066	18,330.09	147.10	384.55	531.65
Spruce.....	1,548	92,838	17,352.90	371.34	584.10	955.44
Total Ontario Scale.....	74,865	5,430,159	1,014,982.99	23,310.47	25,445.52	48,755.99

Cubic Foot Measure

Long Timber

Balsam.....	50	501.65	501.65	17.82	5.01	22.83
Hemlock.....	164	3,089.14	3,089.14	140.00	30.89	170.89
Pine, red.....	52	615.55	615.55	23.80	6.16	29.96
Total Long Timber.....	266	4,206.34	4,206.34	181.62	42.06	223.68
Total Cubic Foot Measure..	266	4,206.34	4,206.34	181.62	42.06	223.68

Cordage

Pulpwood

Balsam.....	54.05	4,594.25	75.67	32.43	108.10
Poplar.....	160.81	13,668.85	80.41	40.20	120.61
Spruce.....	28.42	2,415.70	79.58	5.68	85.26
Hardwood.....	88.53	7,525.05	44.27	22.13	66.40
Total Pulpwood.....	331.81	28,203.85	279.93	100.44	380.37

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
LINDSAY Cont'd.							
Cordage Cont'd.							
Fuelwood		218.47		18,569.95	109.24	54.62	163.86
Hardwood.....		218.47		18,569.95	109.24	54.62	163.86
Total Fuelwood.....		550.28		46,773.80	389.17	155.06	544.23
Total Cordage.....							
Miscellaneous							
Posts - lin. ft.	348		3,090	618.00	30.90	46.35	77.25
Cedar.....			930.76	930.76	5.58	2.79	8.37
Mining timber - cu. ft.	215						
Hardwood.....							
Total Miscellaneous.....	563			1,548.76	36.48	49.14	85.62
Total Ontario Scale.....	74,865		5,430,159	1,014,982.99	23,310.47	25,445.52	48,755.99
Total Cubic Foot Measure..	266		4,206.34	4,206.34	181.62	42.06	223.68
Total Cordage.....		550.28		46,773.80	389.17	155.06	544.23
Grand Total.....	75,694	550.28		1,067,511.89	23,917.74	25,691.78	49,609.52

Number of District Cutting Licences issued and included in above 55 \$18,244.28

NORTH BAY

Board Foot Measure

Ontario Scale							
Ash.....	826		46,445	8,681.31	232.26	178.98	411.24
Balsam.....	177		2,885	539.25	11.54	11.96	23.50
Basswood.....	505		30,607	5,720.93	153.05	153.04	306.09
Beech.....	46		2,094	391.40	3.14	7.33	10.47
Birch, white.....	34,283		1,491,592	278,802.24	2,237.39	9,020.84	11,258.23
Birch, yellow.....	130,600		7,420,797	1,387,064.86	37,104.05	83,419.39	120,523.44

NORTH BAY Cont'd.

Board Foot Measure Cont'd.

Cedar.....	75	2,668	498.69	8.01	13.84	21.85
Cherry.....	251	14,308	2,674.39	71.55	40.38	111.93
Elm.....	1,907	176,357	32,963.93	881.80	747.64	1,629.44
Hemlock.....	1,163	97,155	18,159.81	291.46	235.80	527.26
Maple.....	55,746	3,714,207	694,244.30	18,571.08	15,074.29	33,645.37
Oak.....	1,233	81,797	15,289.16	409.04	258.74	667.78
Pine, jack.....	18,008	359,911	67,273.08	1,439.64	1,963.63	3,403.27
Pine, red.....	118,524	9,236,551	1,726,458.13	46,182.82	46,566.70	92,749.52
Pine, white.....	337,698	31,377,659	5,864,982.99	156,888.39	192,627.37	349,515.76
Poplar.....	5,382	297,887	55,679.81	446.76	798.16	1,244.92
Spruce.....	41,801	2,382,641	445,353.46	9,530.54	12,415.95	21,946.49
Tamarack.....	99	1,457	272.34	4.37	7.30	11.67
Total Ontario Scale.....	748,324	56,737,018	10,605,050.08	274,466.89	363,541.34	638,008.23

Cubic Foot Measure

Sawlogs						
Balsam.....	29,846	3,581.52	3,581.52	59.10		59.10
Birch, white.....	28,658	3,439.02	3,439.02	20.64		20.64
Birch, yellow.....	2,682	321.87	321.87	1.93		1.93
Cedar.....	22,535	2,704.27	2,704.27	44.62		44.62
Maple.....	2,199	263.86	263.86	1.59		1.59
Pine, jack.....	4,922	3,309.07	3,309.07	77.76	84.27	162.02
Pine, red.....	220,890	26,506.86	26,506.86	874.72		874.72
Pine, white.....	170,591	20,470.93	20,470.93	675.54		675.54
Poplar.....	284,566	34,147.97	34,147.97	204.89		204.89
Spruce.....	22,810	2,827.25	2,827.25	93.30	2.78	96.08
Total Sawlogs (Cubic).....	789,699	97,572.62	97,572.62	2,054.09	87.05	2,141.14
Tree Length Material						
Pine, jack.....	69,189	783,804.50	783,804.50	18,419.41	940.57	19,359.98
Spruce.....	6,842	48,169.80	48,169.80	1,589.60	197.50	1,787.10
Total Tree Length Material	76,031	831,974.30	831,974.30	20,009.01	1,138.07	21,147.08

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
NORTH BAY Cont'd.							
Cubic Foot Measure Cont'd.							
Long Timber							
Balsam.....	697		1,219.72	1,219.72	36.59	12.20	48.79
Cedar.....	281		1,926.92	1,926.92	57.81	19.46	77.27
Henlock.....	22		404.79	404.79	17.66	12.14	29.80
Maple.....	4		92.21	92.21	4.46	2.77	7.23
Pine, jack.....	3,678		8,139.72	8,139.72	244.19	244.19	488.38
Pine, red.....	844		7,638.16	7,638.16	281.25	341.59	622.84
Pine, white.....	38		1,126.74	1,126.74	59.52	37.54	97.06
Spruce.....	25,904		54,215.16	54,215.16	1,715.47	1,626.46	3,341.93
Tamarack.....	110		225.94	225.94	6.78	14.47	21.25
Total Long Timber.....	31,578		74,989.36	74,989.36	2,423.73	2,310.82	4,734.55
Total Cubic Foot Measure..	897,308		1,004,536.28	1,004,536.28	24,486.83	3,535.94	28,022.77
Cordage							
Pulpwood							
Ash.....		48.24		4,100.40	24.12	50.16	74.28
Balsam.....		2,983.44		253,592.40	4,176.79	625.51	4,802.30
Basswood.....		14.40		1,224.00	7.20	14.40	14.40
Birch, white.....		4,781.55		406,431.75	2,390.81	2,591.01	4,981.82
Birch, yellow.....		210.12		17,860.20	105.07	5.01	110.08
Cedar.....		23.42		1,990.70	32.78	2.34	35.12
Elm.....		16.48		1,400.80	8.25	11.21	19.46
Hemlock.....		15.95		1,355.75	22.33	1.60	23.93
Maple.....		280.25		23,821.25	140.13	92.12	232.25
Oak.....		6.69		568.65	3.35	7.57	10.92
Pine, jack.....		8,603.55		731,301.75	17,207.10	671.24	17,878.34
Pine, red.....		439.89		37,390.65	615.99	134.55	740.54
Pine, white.....		16,244.49		1,380,781.65	22,742.52	1,309.55	24,052.07

NORTH BAY Cont'd.

Cordage Cont'd.					
Poplar.....	26,224.92	2,229,118.20	13,112.49	10,740.54	23,853.03
Poplar (export levy).....	(2,087.32)	(177,422.20)		208.73	208.73
Spruce.....	17,134.94	1,456,469.90	47,977.87	4,596.58	52,574.45
Tamarack.....	.77	65.45	1.08	.07	1.15
Hardwood.....	3,093.62	262,957.70	1,546.82	1,561.84	3,108.66
Total Pulpwood.....	80,122.72	6,810,431.20	110,114.70	22,606.83	132,721.53
Fuelwood					
Hardwood.....	438.15	37,242.75	219.07	219.08	438.15
Total Fuelwood.....	438.15	37,242.75	219.07	219.08	438.15
Total Cordage.....	80,560.87	6,847,673.95	110,333.77	22,825.91	133,159.68
Miscellaneous					
Posts - Lin. ft.					
Cedar.....	2,251	17,592	175.92	147.18	323.10
Total Miscellaneous.....	2,251	3,518.40	175.92	147.18	323.10
Total Ontario Scale.....	748,324	10,605,050.08	274,466.89	363,541.34	638,008.23
Total Cubic Foot Measure..	897,308	1,004,536.28	24,486.83	3,535.94	28,022.77
Total Cordage.....		6,847,673.95	110,333.77	22,825.91	133,159.68
Grand Total.....	1,647,883	18,460,778.71	409,463.41	390,050.37	799,513.78

PARRY SOUND

Board Foot Measure		
Ontario Scale		
Ash.....	1,494	
Balsam.....	306	
Basswood.....	8,797	
Beech.....	2,212	
Birch, white.....	2,621	
Birch, yellow.....	8,465	
		106,654
		6,927
		608,181
		163,879
		27,043.18
		6,696,448
	19,935.33	
	1,294.77	
	113,578.69	
	30,631.59	
	27,043.18	
	1,251,672.52	
		533.32
		27.70
	3,040.94	
	245.84	
	217.02	
	33,482.33	
		397.35
		15.96
	4,089.27	
	475.15	
	936.35	
		1,153.37
		118,997.72
		930.67
		43.66
		7,130.21
		720.99

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
PARRY SOUND Cont'd.							
Board Foot Measure Cont'd.							
Cedar.....	69		3,127	584.49	9.38	6.25	15.63
Cherry.....	1,208		70,802	13,234.02	354.05	224.31	578.36
Elm.....	5,389		564,576	105,528.22	2,822.94	2,226.74	5,049.68
Hemlock.....	3,373		233,412	43,628.41	700.24	470.34	1,170.58
Maple.....	154,968		11,998,595	2,242,728.04	59,993.05	66,605.14	126,598.19
Oak.....	901		90,142	16,848.97	450.74	402.18	852.92
Pine, jack.....	134		4,398	822.06	17.59	30.79	48.38
Pine, red.....	583		32,788	6,128.60	163.95	281.80	445.75
Pine, white.....	36,364		2,618,869	489,508.22	13,094.40	27,835.59	40,929.99
Poplar.....	1,869		115,491	21,587.10	513.23	513.82	687.05
Spruce.....	15,896		950,482	177,660.19	3,801.95	5,493.33	9,295.28
Tamarack.....	23		1,092	204.11	3.28	5.46	8.74
Total Ontario Scale.....	318,672		24,410,544	4,562,718.51	119,131.95	195,525.22	314,657.17
Cubic Foot Measure							
Sawlogs							
Pine, jack.....	1,204		3,771.23	3,771.23	88.62	81.08	169.70
Pine, red.....	6,048		29,612.91	29,612.91	977.23	1,391.81	2,369.04
Pine, white.....	6,118		49,795.32	49,795.32	1,643.25	2,738.74	4,381.99
Spruce.....	44		283.13	283.13	9.34	10.48	19.82
Total Sawlogs (cubic).....	13,414		83,462.59	83,462.59	2,718.44	4,222.11	6,940.55
Long Timber							
Cedar.....	450		6,187.59	6,187.59	153.98	115.60	269.58
Hemlock.....	124		1,725.75	1,725.75	73.29	7.04	80.33
Pine, jack.....	30		764.00	764.00	17.95	27.89	45.84
Pine, red.....	682		3,688.17	3,688.17	121.71	173.34	295.05
Pine, white.....	1,602		2,889.02	2,889.02	95.34	135.78	231.12
Spruce.....	669		19,545.60	19,545.60	668.96	531.61	1,200.57
Tamarack.....	37		379.00	379.00	6.25	8.91	15.16
Total Long Timber.....	3,594		35,179.13	35,179.13	1,137.48	1,000.17	2,137.65
Total Cubic Foot Measure..	17,008		118,641.72	118,641.72	3,855.92	5,222.28	9,078.20

PARRY SOUND Cont'd.

Cordage					
Pulpwood					
Balsam.....	108.18	9,195.30	151.45	118.54	269.99
Birch, white.....	121.80	10,353.00	60.90	60.90	121.80
Elm.....	5.50	467.50	2.75	2.75	5.50
Maple.....	3.05	259.25	1.53	4.57	6.10
Pine, jack.....	10.41	884.85	20.82	7.81	28.63
Pine, red.....	47.50	4,037.50	66.50	52.25	118.75
Pine, white.....	98.52	8,374.20	137.93	116.83	254.76
Poplar.....	1,616.05	137,364.25	808.03	808.03	1,616.06
Spruce.....	143.92	12,233.20	402.98	100.74	503.72
Tamarack.....	1.00	85.00	1.40	.10	1.50
Total Pulpwood.....	2,155.93	183,254.05	1,654.29	1,272.52	2,926.81
Fuelwood					
Hardwood.....	661.00	56,185.00	330.50	330.50	661.00
Total Fuelwood.....	661.00	56,185.00	330.50	330.50	661.00
Total Cordage.....	2,816.93	239,439.05	1,984.79	1,603.02	3,587.81
Miscellaneous					
Posts - lin. ft.					
Cedar.....	259	414.40	20.72		20.72
Poker Poles - cds.					
Hardwood.....	3,164.78	269,006.30	1,582.40	2,346.89	3,929.29
Total Miscellaneous.....	259	269,420.70	1,603.12	2,346.89	3,950.01
Total Ontario Scale.....	318,672	4,562,718.51	119,131.95	195,525.22	314,657.17
Total Cubic Foot Measure..	17,008	118,641.72	3,855.92	5,222.28	9,078.20
Total Cordage.....		239,439.05	1,984.79	1,603.02	3,587.81
Grand Total.....	335,939	5,190,219.98	126,575.78	204,697.41	331,273.19
Number of District Cutting licences issued and included in above		183	\$45,425.30		

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
PEMBROKE							
Board Foot Measure							
Ontario Scale							
Ash.....	1,051		65,941	12,325.42	327.96	138.78	466.74
Balsam.....	904		22,620	4,228.04	90.49	95.94	186.43
Basswood.....	6,497		489,311	91,460.00	2,446.58	1,625.81	4,072.39
Beech.....	5,795		414,699	77,513.83	622.04	946.93	1,568.97
Birch, white.....	39,249		1,867,799	349,121.31	2,801.70	3,374.36	6,176.06
Birch, yellow.....	132,829		10,772,885	2,013,623.36	53,864.48	87,328.09	141,192.57
Cedar.....	864		23,861	4,460.00	71.58	40.75	112.33
Cherry.....	90		5,937	1,109.72	29.70	9.50	39.20
Elm.....	1,092		132,007	24,674.21	660.06	254.55	914.61
Hemlock.....	124,568		9,453,689	1,767,044.67	28,361.06	12,969.95	41,331.01
Maple.....	173,288		13,859,603	2,590,580.00	69,298.96	22,242.88	91,540.94
Oak.....	9,470		529,819	99,031.59	2,649.16	1,376.29	4,025.45
Pine, jack.....	18,807		603,017	112,713.46	2,412.06	3,189.08	5,601.14
Pine, red.....	134,292		6,293,153	1,176,290.28	31,465.85	42,596.01	74,061.86
Pine, white.....	398,642		24,287,794	4,539,774.58	121,439.04	193,227.22	314,666.26
Poplar.....	111,034		5,709,867	1,067,264.86	8,564.79	5,035.91	13,600.70
Spruce.....	56,175		3,225,208	602,842.62	12,900.83	15,604.36	28,505.19
Tamarack.....	10		369	68.97	1.11	.55	1.66
Total Ontario Scale.....	1,214,657		77,757,579	14,534,126.92	338,006.55	390,056.96	728,063.51
Cubic Foot Measure							
Sawlogs							
Pine, red.....	740		5,887.78	5,887.78	194.30	777.19	971.49
Pine, white.....	1,190		11,991.33	11,991.33	395.71	1,133.18	1,528.89
Spruce.....	599		12,788.04	12,788.04	422.01	221.05	643.96
Total Sawlogs (cubic).....	2,529		30,667.15	30,667.15	1,012.02	2,131.42	3,143.44

PEMBROKE Cont'd.

Long Timber

Hemlock.....	1,899	45,592.15	2,331.52	2,331.52
Pine, jack.....	2,958	40,381.44	1,839.11	2,362.28
Pine, red.....	37,122	624,404.53	30,417.97	4,201.39
Spruce.....	02	30.31	1.21	84,776.78
Total Long Timber.....	41,981	710,408.43	34,589.81	91,311.81
Total Cubic Foot Measure..	44,510	741,075.58	35,601.83	94,455.25

Cordage

Pulpwood				
Balsam.....	684.43	58,176.55	958.21	1,268.14
Beech.....	3.66	311.10	1.87	1.87
Birch, white.....	6,258.72	531,991.20	3,129.38	3,550.56
Birch, yellow.....	3.45	293.25	1.76	1.76
Hemlock.....	5,305.45	450,963.25	7,434.23	7,644.16
Maple.....	8,190.33	696,178.05	4,095.29	6,139.99
Pine, jack.....	8,550.13	726,761.05	17,100.26	2,044.70
Pine, red.....	433.43	36,841.55	25.22	25.22
Pine, white.....	9,480.29	805,824.65	606.79	607.08
Poplar.....	15,501.29	1,317,609.65	13,272.40	13,289.31
Poplar (Export levy).....	4,100.00	(8,500.00)	7,750.67	13,753.32
Spruce.....	4,494.61	382,041.85	16.91	10.00
Tamarack.....	10.93	929.05	1,734.91	14,319.93
Hardwood.....	4,971.56	422,582.60	15.30	15.30
Total Pulpwood.....	63,888.28	5,430,503.80	2,488.81	3,631.50
Fuelwood				
Hardwood.....	225.00	19,125.00	69,439.99	81,358.40
Total Fuelwood.....	225.00	19,125.00	112.50	112.50
Total Cordage.....	64,113.28	5,449,628.80	69,552.49	81,470.90

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
PEMBROKE Cont'd.							
Miscellaneous							
Posts - lin. ft.	2,680		17,474	3,494.80	174.74	52.22	226.96
Cedar.....							
Total Miscellaneous.....	2,680			3,494.80	174.74	52.22	226.96
Total Ontario Scale.....	1,214,657		77,757,579	14,534,126.92	338,006.55	390,056.96	728,063.51
Total Cubic Foot Measure..	44,510		741,075.58	741,075.58	35,601.83	58,853.42	94,455.25
Total Cordage.....		64,113.28		5,449,628.80	69,552.49	11,918.41	81,470.90
Grand Total.....	1,263,527	64,113.28		20,728,326.10	443,335.61	460,881.01	904,216.62
PORT ARTHUR							
Number of District Cutting Licences issued and included in above 111 \$54,416.51							
Board Foot Measure							
Ontario Scale							
Cedar.....	102		4,443	830.47	13.33	8.89	22.22
Pine, jack.....	429		14,279	2,568.97	57.11	49.98	107.09
Pine, red.....	432		21,028	3,930.47	105.15	105.15	210.30
Pine, white.....	3,392		163,379	30,538.13	816.91	816.91	1,633.82
Poplar.....	842		41,667	7,788.22	62.50		62.50
Spruce.....	83		5,276	986.17	21.10	21.10	42.20
Total Ontario Scale.....	5,280		250,072	46,742.43	1,076.10	1,002.03	2,078.13
Cubic Foot Measure							
Sawlogs							
Balsam.....	32,256		278,824.12	278,824.12	4,600.62	282.92	4,883.54
Birch, white.....	137		536.49	536.49	3.22	4.92	8.14
Pine jack.....	493,573		4,164,637.02	4,164,637.02	97,868.97	8,005.09	105,874.06

PORT ARTHUR Cont'd.

Cubic Foot Measure Cont'd.				
Pine, red.....	3,449	33,801.64	1,115.47	1,082.40
Pine, white.....	13,945	144,703.84	4,775.24	5,735.27
Poplar.....	19,904	88,348.46	530.09	1,451.60
Spruce.....	582,356	3,426,973.22	113,269.97	8,998.79
Total Sawlogs.....	1,145,620	8,137,824.79	222,163.58	25,030.90
Tree Length Material				
Balsam.....	411,322	2,839,503.90	46,851.80	5,793.96
Pine, jack.....	607,511	6,695,342.07	157,340.52	9,975.62
Pine, red.....	12	694.70	22.93	18.76
Pine, white.....	16	1,163.28	38.39	31.41
Poplar.....	9,682	195,591.38	1,173.55	69.80
Spruce.....	2,662,918	18,294,951.50	603,733.40	68,796.76
Tamarack.....	39	202.60	3.34	.71
Total Tree Length Material	3,691,500	28,027,449.43	809,163.93	84,617.22
Long Timber				
Pine, jack.....	9,806	121,383.82	5,125.97	1,350.09
Pine, red.....	102	2,142.51	99.84	42.85
Spruce.....	12	161.62	9.72	3.62
Total Long Timber.....	9,920	123,687.95	5,235.53	1,396.56
Total Cubic Foot Measure..	4,847,040	36,288,962.17	1,036,563.04	111,044.68
Cordage				
Pulpwood				
Balsam.....	6,223.05	528,959.25	8,712.26	3,230.00
Birch, white.....	4,016.39	341,393.15	2,008.22	1,077.37
Cedar.....	468.71	39,840.35	656.19	214.95
Pine, jack.....	47,665.65	4,051,580.25	95,331.30	14,465.23
Pine, red.....	183.13	15,566.05	256.38	461.10
Pine, white.....	581.99	49,469.15	814.78	717.48
Poplar.....	21,008.14	1,785,691.90	10,504.10	1,532.58
Poplar (Export).....	(3,930.00)	(334,050.00)	393.00	20,929.82
				393.00

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
PORT ARTHUR Cont'd.							
Cordage Cont'd.							
Spruce.....		122,322.65		10,397,425.25	342,503.42	56,044.88	398,548.30
Tamarack.....		332.24		28,240.40	465.64	91.50	557.14
Total Pulpwood.....		202,801.95		17,238,165.75	461,252.29	87,121.55	548,373.84
Fuelwood							
Softwood.....		343.00		29,155.00	171.50	333.50	505.00
Total Fuelwood.....		343.00		29,155.00	171.50	333.50	505.00
Bolts							
Birch, white.....		2,269.31		192,891.35	1,139.79	809.65	1,949.44
Poplar.....		7,890.82		670,719.70	3,945.42	2,139.24	6,084.66
Total Bolts.....		10,160.13		863,611.05	5,085.21	2,948.89	8,034.10
Total Cordage.....		213,305.08		18,130,931.80	466,509.00	90,403.94	556,912.94
Total Ontario Scale.....	5,280		250,072	46,742.43	1,076.10	1,002.03	2,078.13
Total Cubic Foot Measure..	4,847,040		3,628,896,217	36,288,962.17	1,036,563.04	111,044.68	1,147,607.72
Grand Total.....	4,852,320	213,305.08		54,466,636.40	1,504,148.14	202,450.65	1,706,598.79
SAULT STE. MARIE							
Board Foot Measure							
Ontario Scale							
Ash.....	135		10,500	1,962.62	52.52	29.68	82.20
Balsam.....	139		2,511	469.35	10.04	10.05	20.09
Basswood.....	03		166	31.03	.83	.83	1.66
Birch, white.....	35,053		1,869,126	349,369.35	2,803.69	9,085.51	11,889.20
Birch, yellow.....	258,478		18,521,885	3,462,034.58	92,609.50	209,598.42	302,207.92
Number of District Cutting Licences issued and included in above				226	\$61,349.84		

SAULT STE. MARIE Cont'd.

Board Foot Measure Cont'd.

Cedar.....	315	11,147	2,083.55	33.44	54.35	87.79
Elm.....	16,310	1,005,736	187,988.94	5,028.69	260.52	5,289.21
Hemlock.....	4,116	360,515	67,385.98	1,081.54	1,166.52	2,248.96
Maple.....	175,478	11,654,963	2,178,497.76	58,274.86	40,901.99	99,176.85
Oak.....	2,455	208,640	38,998.13	1,043.26	1,045.58	2,088.84
Pine, jack.....	17,421	972,112	181,703.18	3,888.45	1,925.73	5,814.18
Pine, red.....	120,142	10,462,218	1,955,554.77	51,921.91	31,575.32	83,497.23
Pine, white.....	303,591	35,403,967	6,617,563.93	167,556.98	105,506.47	273,963.45
Poplar.....	6,372	384,446	71,859.07	576.67	347.31	923.98
Spruce.....	44,915	2,612,069	488,237.20	9,679.12	4,125.10	13,804.22
Tamarack.....	1,378	82,695	15,457.01	248.09		248.09
Total Ontario Scale.....	986,301	83,562,696	15,619,195.55	394,809.59	405,633.38	800,442.97

Cubic Foot Measure

Sawlogs						
Balsam.....	142	663.86	663.86	10.95	12.10	23.05
Birch, white.....	92	508.94	508.94	3.05	37.66	40.71
Cedar.....	26,515	317,597.92	317,597.92	5,240.37	366.06	5,606.43
Oak.....	07	83.00	83.00	.50	4.48	4.98
Pine, jack.....	112	937.70	937.70	22.03	34.23	56.26
Pine, red.....	1,582	9,040.15	9,040.15	298.33	497.81	796.14
Pine, white.....	3,153	34,697.03	34,697.03	1,145.01	1,620.80	2,765.81
Spruce.....	3,503	17,254.93	17,254.93	569.39	434.90	1,004.29
Tamarack.....	150	157.50	157.50	2.60	3.70	6.30
Total Sawlogs.....	35,256	380,941.03	380,941.03	7,292.23	3,011.74	10,303.97
Long Timber						
Cedar.....	07	100.29	100.29	4.01	4.01	8.02
Hemlock.....	18	658.51	658.51	38.74	.77	39.51
Pine, jack.....	22	340.51	340.51	8.00	12.43	20.43
Pine, red.....	55	810.58	810.58	26.75	38.10	64.85
Pine, white.....	33	549.82	549.82	18.14	25.84	43.98
Spruce.....	18	396.13	396.13	19.13	4.63	23.76
Total Long Timber.....	153	2,855.84	2,855.84	114.77	85.78	200.55
Total Cubic Foot Measure..	35,409	383,796.87	383,796.87	7,407.00	3,097.52	10,504.52

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
SAULT STE. MARIE Cont'd.							
Cordage							
Pulpwood							
Balsam.....		3,572.61		303,671.85	5,001.65	715.10	5,716.75
Birch, white.....		1,747.32		148,522.20	873.66	1,717.32	2,590.98
Hemlock.....		443.50		37,697.50	608.88	41.04	649.92
Maple.....		182.27		15,492.95	91.14	91.13	182.27
Pine, jack.....		1,972.95		167,700.75	3,945.90	346.63	4,292.53
Pine, red.....		471.05		40,039.25	659.46	522.80	1,182.26
Pine, white.....		567.37		48,226.45	794.31	794.52	1,588.83
Poplar.....		2,057.92		174,923.20	1,028.97	1,408.36	2,437.33
Spruce.....		8,909.42		757,300.70	24,946.36	1,800.24	26,746.60
Tamarack.....		436.43		37,096.55	611.00	3.03	614.03
Hardwood.....		5,481.00		465,885.00	2,740.51	2,023.77	4,764.28
Total Pulpwood.....		25,841.84		2,196,556.40	41,301.84	9,463.94	50,765.78
Fuelwood							
Hardwood.....		9,095.46		773,114.10	4,547.73	1,409.78	5,957.51
Softwood.....		3,707.21		315,112.85	1,853.61	370.77	2,224.38
Total Fuelwood.....		12,802.67		1,088,226.95	6,401.34	1,780.55	8,181.89
Total Cordage.....		38,644.51		3,284,783.35	47,703.18	11,244.49	58,947.67
Miscellaneous							
Posts - lin. ft.							
Cedar.....	967		8,068	1,613.60	80.68	80.68	161.36
Christmas Trees.....	100			50.00	2.50	2.50	5.00
Total Miscellaneous.....	1,067			1,663.60	83.18	83.18	166.36
Total Ontario Scale.....	986,301		83,562,696	15,619,195.55	394,809.59	405,633.38	800,442.97
Total Cubic Foot Measure..	35,409		383,796.87	383,796.87	7,407.00	3,097.52	10,504.52
Total Cordage.....		38,644.51		3,284,783.35	47,703.18	11,244.49	58,947.67
Grand Total.....	1,022,777	38,644.51		19,289,439.37	450,002.95	420,058.57	870,061.52
Number of District Cutting Licences issued and included in above							149
							\$67,574.18

SIoux LOOKOUT

Board Foot Measure

Ontario Scale

Balsam.....	6	125	23.36						
Pine Jack.....	9,830	292,719	54,713.83						
Spruce.....	9,812	241,912	45,217.20						
Total Ontario Scale.....	19,648	534,756	99,954.39	2,139.02	1,170.87	280.97	1,451.84		.50
Tree Length Material					967.65	385.36	1,353.01		
Balsam.....	25,997	1,331,633	248,903.36	5,326.53		666.33	2,805.35		
Pine, jack.....	46,433	3,116,638	582,549.16	3,116.64		2,663.27	7,989.80		
Pine, red.....	956	84,677	15,827.48	423.39			3,116.64		
Spruce.....	125,674	7,082,198	1,323,775.33	28,328.79		423.39	846.78		
Total Tree Length Material	199,060	11,615,146	2,171,055.33	37,195.35		14,164.40	42,493.19		
Total Board Foot Measure..	218,708	12,149,902	2,271,009.72	39,334.37		17,251.06	54,446.41		
						17,917.39	57,251.76		

Cubic Foot Measure

Sawlogs

Balsam.....	57	519.85	519.85	8.58					
Cedar.....	8	85.00	85.00	1.40					8.89
Pine, jack.....	36,904	182,479.55	182,479.55	4,288.27		3.70			5.10
Poplar.....	16,414	127,802.46	127,802.46	766.81		963.04			5,251.31
Spruce.....	39,025	174,751.34	174,751.34	5,766.80		189.84			956.65
Total Sawlogs.....	92,408	485,638.20	485,638.20	10,831.86		890.29			6,657.09
Tree Length Material						2,047.18			12,879.04

Long Timber

Balsam.....	24,754	141,947.45	141,947.45	2,337.96					
Pine, jack.....	459,266	4,698,890.01	4,698,890.01	110,535.98		83.50			2,421.46
Spruce.....	943,661	6,052,263.22	6,052,263.22	199,402.71		5,549.04			116,085.02
Total Tree Length Material	1,427,681	10,893,100.68	10,893,100.68	312,276.65		7,133.91			206,536.62
Long Timber						12,766.45			325,043.10
Pine, jack.....	5,443	78,992.62	78,992.62	3,210.68					
Pine, red.....	31	1,418.93	1,418.93	84.58		775.97			3,986.65
Pine, white.....	30	1,889.50	1,889.50	113.08		28.38			112.96
Spruce.....	101	3,334.54	3,334.54	187.87		37.79			150.87
Total Long Timber.....	5,605	85,635.59	85,635.59	3,596.21		842.14			187.87
Total Cubic Foot Measure..	1,525,694	11,464,374.47	11,464,374.47	326,704.72		15,655.77			4,438.35
						342,360.49			

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
SIoux LOOKOUT Cont'd.							
Cordage							
Pulpwood		2,208.08		187,686.80	3,091.54	725.66	3,817.20
Balsam.....		284.66		24,196.10	142.34	28.46	170.80
Birch, white.....		101,462.90		8,624,346.50	202,810.32	9,246.97	212,057.29
Pine, jack.....		395.71		33,635.35	201.53	40.31	241.84
Poplar.....		147,520.37		12,539,231.45	428,511.15	55,555.91	484,067.06
Spruce.....		.14		11.90	.20	.12	.32
Tamarack.....							
Total Pulpwood.....		251,871.86		21,409,108.10	634,757.08	65,597.43	700,354.51
Fuelwood							
Fuelwood		6.00		510.00	3.00		3.00
Hardwood.....		1,515.00		128,775.00	757.51		757.51
Softwood.....		1,521.00		129,285.00	760.51		760.51
Total Fuelwood.....							
Total Cordage.....		253,392.86		21,538,393.10	635,517.59	65,597.43	701,115.02
Miscellaneous							
Posts - lin. ft.			1,500	300.00	15.00		15.00
Cedar.....	200			300.00	15.00		15.00
Total Miscellaneous.....	200						
Total Board Foot Measure..	218,708		12,149,902	2,271,009.72	39,334.37	17,917.39	57,251.76
Total Cubic Foot Measure..	1,525,694		11,464,374.47	11,464,374.47	326,704.72	15,655.77	342,360.49
Total Cordage.....		253,392.86		21,538,393.10	635,517.59	65,597.43	701,115.02
Grand Total.....	1,744,602	253,392.86		35,274,077.29	1,001,571.68	99,170.59	1,100,742.27
Number of District Cutting Licences issued and included in above							
			80	\$29,500.48			

SUBBUTY

Board Foot Measure

Ontario Scale

Ash.....	21	1,549	289.53	7.75	7.75	15.50
Birch, white.....	1,316	53,512	10,002.24	80.28	807.40	887.68
Birch, yellow.....	1,775	103,766	19,395.51	518.84	2,749.55	3,268.39
Cedar.....	1,177	51,510	9,628.04	155.53	327.60	483.13
Elm.....	50	3,935	735.51	19.68	39.36	39.36
Hemlock.....	3,520	166,490	31,119.63	499.47	2,341.67	2,841.14
Maple.....	55	3,924	733.46	19.63	51.27	70.90
Oak.....	26	1,010	188.78	5.05	5.05	10.10
Pine, jack.....	467	23,670	4,424.30	94.68	23.67	118.35
Pine, red.....	872	29,857	5,580.75	149.29	125.96	275.25
Pine, white.....	4,521	321,860	60,160.75	1,609.31	1,601.72	3,211.03
Poplar.....	56	3,252	607.85	4.88	4.88	9.76
Spruce.....	471	10,713	2,002.43	42.85	117.84	160.69
Tamarack.....	02	39	7.29	.12	.12	.12
Total Ontario Scale.....	14,329	775,087	144,876.07	3,207.36	8,184.04	11,391.40

Cubic Foot Measure

Sawlogs

Balsam.....	102	678.37	678.37	11.19	15.75	26.94
Birch, white.....	4,683	18,351.87	18,351.87	110.10	101.82	211.92
Cedar.....	407	2,408.97	2,408.97	39.75	47.71	87.46
Pine, jack.....	298,768	2,075,090.98	2,075,090.98	48,764.64	7,868.40	56,633.04
Pine, red.....	116,093	927,490.48	927,490.48	30,607.19	31,082.13	61,689.32
Pine, white.....	136,904	1,558,825.61	1,558,825.61	51,441.27	50,533.16	101,974.43
Poplar.....	5,108	43,843.59	43,843.59	263.05	136.44	399.49
Spruce.....	70,020	391,635.50	391,635.50	12,923.99	2,852.78	15,776.77
Total sawlogs (cubic).....	632,085	5,018,325.37	5,018,325.37	144,161.18	92,638.19	236,799.37

Long Timber

Cedar.....	45	281.60	281.60	5.63	5.63	11.26
Pine, jack.....	77	1,415.55	1,415.55	61.80	14.15	75.95
Pine, red.....	1,211	28,763.84	28,763.84	1,411.38	820.71	2,232.09
Pine, white.....	62	1,526.53	1,526.53	78.86	.86	79.72
Spruce.....	45	1,404.98	1,404.98	76.17	10.88	87.05
Tamarack.....	06	227.95	227.95	13.39	2.28	15.67
Total Long Timber.....	1,446	33,620.45	33,620.45	1,647.23	854.51	2,501.74
Total Cubic Foot Measure..	633,531	5,051,945.82	5,051,945.82	145,808.41	93,492.70	239,301.11

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
SUDBURY Cont'd.							
Cordage							
Pulpwood		7.17		609.45	3.59	3.58	7.17
Ash.....				35,667.70	587.48	391.20	978.68
Balsam.....		419.62		319.60	1.88	1.88	3.76
Beech.....		3.76					
Birch, white.....		5,165.82		439,094.70	2,582.95	1,473.87	4,056.82
Birch, yellow.....		473.48		40,245.80	236.75	190.15	426.90
Hemlock.....		286.74		24,372.90	401.44	117.77	519.21
Maple.....		847.43		72,031.55	423.73	504.44	928.17
Pine, jack.....		26,516.13		2,253,871.05	53,032.26	7,214.23	60,246.49
Pine, red.....		479.52		40,759.20	671.32	258.47	929.79
Pine, white.....		1,131.25		96,156.25	1,583.76	905.33	2,489.09
Poplar.....		9,262.97		787,352.45	4,631.52	2,886.92	7,518.44
Spruce.....		5,292.10		449,828.50	14,817.88	971.02	15,788.90
Tamarack.....		.77		65.45	1.08		1.08
Hardwood.....		212.75		18,083.75	106.40	65.05	171.45
Total Pulpwood.....		50,099.51		4,258,458.35	79,082.04	14,983.91	94,065.95
Fuelwood							
Hardwood.....		445.00		37,825.00	222.50	222.50	445.00
Softwood.....		51.00		4,335.00	25.50	25.50	51.00
Total Fuelwood.....		496.00		42,160.00	248.00	248.00	496.00
Total Cordage.....		50,595.51		4,300,618.35	79,330.04	15,231.91	94,561.95
Miscellaneous							
Posts - lin. ft.							
Balsam.....	80		550	110.00	5.50	9.50	15.00
Cedar.....	998		6,554	1,310.80	65.54	65.54	131.08
Tamarack.....	100		600	120.00	6.00	6.00	12.00

Miscellaneous Cont'd.

SWASTIKA243

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
SWASTIKA Cont'd.							
Cubic Foot Measure Cont'd.							
Tree Length Material							
Balsam.....	2,401		16,723.09	16,723.09	275.44	49.19	324.63
Pine, jack.....	214,810		2,397,386.13	2,397,386.13	56,387.74	11,453.60	67,841.34
Spruce.....	123,249		776,937.76	776,937.76	25,605.35	2,453.39	28,058.74
Total Tree Length Material	340,460		3,191,046.98	3,191,046.98	82,268.53	13,956.18	96,224.71
Long Timber							
Pine, jack.....	5,951		110,595.09	110,595.09	5,078.41	2,806.76	7,885.17
Spruce.....	25		962.82	962.82	55.95	24.07	80.02
Total Long Timber.....	5,976		111,557.91	111,557.91	5,134.36	2,830.83	7,965.19
Total Cubic Foot Measure..	1,510,467		9,432,077.18	9,432,077.18	219,190.53	82,464.55	301,655.08
Cordage							
Pulpwood							
Balsam.....		10,792.99		917,404.15	15,110.19	2,626.57	17,736.76
Birch, white.....		237.33		20,173.05	118.67	30.75	149.42
Pine, jack.....		21,349.65		1,814,720.25	42,699.30	873.35	43,572.65
Pine, jack (export levy).....		(500.00)		42,500.00		250.00	250.00
Poplar.....		1,127.09		95,802.65	563.55	203.06	766.61
Spruce.....		44,743.78		3,803,221.30	126,985.07	18,759.17	145,744.24
Tamarack.....		284.92		24,218.20	398.89	113.90	512.79
Total Pulpwood.....		78,535.76		6,675,539.60	185,875.67	22,856.80	208,732.47
Fuelwood							
Hardwood.....		570.00		48,450.00	285.00		285.00
Softwood.....		180.00		15,300.00	90.00		90.00
Total Fuelwood.....		750.00		63,750.00	375.00		375.00

Cordage Cont'd.

Miscellaneous

	Number of District Curting Licences issued and included in above	186	\$66,174.57
Number of District Curting Licences issued and included in above			
186			
\$66,174.57			

Board Foot Measure

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
TWEED Cont'd.							
Board Foot Measure Cont'd.							
Cherry.....	162		6,169	1,153.08	30.88	61.57	92.45
Elm.....	3,744		267,321	49,966.54	1,336.66	876.13	2,212.79
Hemlock.....	12,168		649,985	121,492.52	1,949.99	4,220.51	6,170.50
Maple.....	83,470		5,067,579	947,211.03	25,337.97	28,556.63	53,894.60
Oak.....	10,168		452,833	84,641.68	2,264.21	2,617.09	4,881.30
Pine, jack.....	1,216		34,015	6,357.94	136.06	204.09	340.15
Pine, red.....	10,477		461,655	86,290.65	2,308.32	5,054.05	7,362.37
Pine, white.....	41,460		2,410,597	450,578.88	12,053.05	28,219.09	40,272.14
Poplar.....	41,152		1,661,617	310,582.62	2,492.43	6,850.78	9,943.21
Spruce.....	13,618		646,972	120,929.35	2,587.85	8,022.15	10,610.00
Tamarack.....	281		7,096	1,326.36	21.28	36.63	57.91
Total Ontario Scale.....	282,839		14,473,843	2,705,391.21	60,303.42	104,134.97	164,438.39
Cubic Foot Measure							
Long Timber							
Ash.....	02		33.12	33.12	1.32		1.32
Balsam.....	07		38.21	38.21	1.25	.77	2.02
Beech.....	23		547.06	547.06	27.85		27.85
Birch, white.....	01		18.44	18.44	.74		.74
Cedar.....	226		458.72	458.72	12.72	9.17	21.89
Elm.....	07		129.56	129.56	5.86		5.86
Hemlock.....	125		2,095.23	2,095.23	92.82	41.91	134.73
Maple.....	11		198.29	198.29	9.02	3.96	12.98
Oak.....	03		53.02	53.02	2.34	1.06	3.40
Pine, red.....	446		9,485.81	9,485.81	447.49	189.72	637.21
Pine, white.....	05		124.95	124.95	5.16	2.50	7.66
Poplar.....	05		165.60	165.60	9.19		9.19
Spruce.....	119		1,762.77	1,762.77	81.06	35.26	116.32
Total Cubic Foot Measure..	980		15,110.78	15,110.78	696.82	284.35	981.17

Cordage

247

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND DURING PERIOD APRIL 1, 1967 TO MARCH 31, 1968

SPECIES	Pieces	Cords	Feet	Equivalent in cu. ft.	Dues \$	Bonus \$	Stumpage Value \$
WHITE RIVER							
Cubic Foot Measure							
Sawlogs							
Pine, jack.....	4,061		20,482.01	20,482.01	481.33	273.21	754.54
Spruce.....	03		34.17	34.17	1.13	1.60	2.73
Total Sawlogs.....	4,064		20,516.18	20,516.18	482.46	274.81	757.27
Tree Length Material							
Birch, white.....	2,046		7,847.92	7,847.92	47.09	423.79	470.88
Pine, jack.....	262,980		3,046,161.23	3,046,161.23	71,614.91	14,349.17	85,964.08
Poplar.....	7,672		29,147.87	29,147.87	174.89	408.07	582.96
Spruce.....	171,246		1,099,062.75	1,099,062.75	36,269.07	3,297.19	39,566.26
Total Tree Length Material	443,944		4,182,219.77	4,182,219.77	108,105.96	18,478.22	126,584.18
Total Cubic Foot Measure..	448,008		4,202,735.95	4,202,735.95	108,588.42	18,753.03	127,341.45
Cordage							
Pulpwood							
Balsam.....		2,421.25		205,806.25	3,389.75	572.36	3,962.11
Birch, white.....		4,204.61		357,391.85	2,102.32	181.73	2,284.05
Cedar.....		304.28		23,863.80	348.54		348.54
Pine, jack.....		24,651.21		2,095,352.85	49,302.42	2,821.63	52,124.05
Poplar.....		4,491.98		381,818.30	2,246.00	162.65	2,408.65
Spruce.....		50,358.69		4,280,488.65	141,004.33	19,472.83	160,477.21
Tamarack.....		55.21		4,692.85	77.30		77.30
Total Pulpwood.....		86,487.23		7,351,414.55	198,470.66	23,211.25	221,681.91
Fuelwood							
Hardwood.....		21.00		1,785.00	10.50	10.50	21.00
Softwood.....		26.50		2,252.50	13.25	13.25	26.50
Total Fuelwood.....		47.50		4,037.50	23.75	23.75	47.50
Total Cordage.....		86,534.73		7,355,452.05	198,494.41	23,235.00	221,729.41

WHITE RIVER Cont'd.

Miscellaneous

Mining Timber - cu. ft.

Pine, jack..... 08
Spruce..... 5,922

100.00 100.00 2.35 3.65 6.00
10,424.23 10,424.23 316.68 310.76 627.44

Total Miscellaneous..... 5,930
Total Cubic Foot Measure.. 448,008
Total Cordage..... 86,534.73
Grand Total..... 453,938 86,534.73 11,568,712.23 307,401.86 42,302.44 349,704.30

Number of District Cutting Licences issued and included in above 15 \$3,128.63

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
SOFTWOODS										
Balsam.....	10,988	13,051	4,766	12,316	11,174	10,219	11,454	10,044	11,366	14,525
Cedar.....	280	268	331	341	105	182	177	170	205	567
Hemlock.....	3,046	3,768	2,780	2,429	1,841	3,032	3,128	2,694	2,759	2,855
Jack Pine.....	68,415	78,243	76,857	70,903	78,485	82,239	89,613	99,390	111,791	107,875
Red Pine.....	3,581	6,188	5,037	5,291	6,029	6,446	7,297	6,767	6,962	7,022
Scotch Pine.....	.....	.....	.....	.....	.....	.....	17	.....	.....	.....
White Pine.....	18,025	22,300	19,150	17,606	21,930	24,409	24,769	24,702	22,073	24,316
Spruce.....	157,544	186,920	191,047	178,063	182,327	183,756	195,017	197,935	223,502	220,569
Tamarack.....	25	26	75	36	39	28	98	73	86	120
Xmas Trees.....	11	3	1	1	1	1	10	20	6	28
Fuelwood.....	2,338	1,525	1,476	905	827	452	435	399	443	631
HARDWOODS										
Ash.....	63	83	109	65	100	95	104	143	85	76
Basswood.....	319	365	469	359	434	575	480	465	360	462
Beech.....	131	273	385	175	278	483	359	480	432	351
White Birch.....	1,339	1,426	1,784	1,754	2,295	3,732	3,332	3,203	2,964	5,654
Yellow Birch.....	6,165	7,397	6,972	6,925	8,822	8,963	8,983	8,284	7,400	8,370
Butternut.....	1	1	2	2	2	2	1	1	1	2
Cherry.....	15	27	26	20	18	22	30	25	25	20
Elm.....	196	256	261	274	286	267	278	384	247	423
Maple.....	3,639	4,851	5,787	5,212	6,537	7,649	8,459	8,323	9,041	10,004
Oak.....	127	177	239	207	276	355	348	387	321	282
Poplar.....	17,729	19,773	18,356	21,256	22,907	25,995	20,654	21,205	21,260	27,682
Pulpwood.....	1,630	1,219	1,202	1,186	1,137	1,162	1,166	744	585	1,108
Pulpwood.....	.....	.....	.....	.....	.....	.....	.....	.....	1,555	2,954
TOTALS										
Softwoods.....	264,253	312,292	311,519	287,894	302,758	310,765	332,014	342,196	379,193	378,508
Hardwood.....	31,355	35,847	35,503	37,707	43,092	49,300	44,195	43,645	44,276	57,388
All Species.....	295,608	348,140	347,112	325,601	345,850	360,065	376,209	385,841	423,469	435,895
Total Value*	10,155	11,824	12,048	11,229	12,057	12,473	13,417	13,416	14,528	14,832

(* \$000's, export levy not included)

TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 5	Total Area Licensed
1956	748	6,140.05	88,273.71	170.26	94,585.02
1957	604	5,600.65	89,952.49	200.94	95,754.08
1958	586	5,354.80	98,149.46	181.33	103,685.59
1959	569	4,520.62	99,612.16	199.90	104,332.68
1960	573	4,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102,888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581	3,102.08	97,830.82	152.36	101,085.26
1964	562	2,556.89	99,679.49	18.20	102,254.58
1965	590	2,564.98	103,347.49	4.90	105,917.37
1966	533	2,466.68	100,362.79	1.20	102,830.67
1967	535	2,006.5	104,269.9	.....	106,276.4
1968	498	1,704.2	104,134.6	74.0	105,912.8
1969	480	1,664.7	101,924.3	74.0	103,663.0

MILLS LICENSED as of March 31st

Year	Saw Mills (Daily Capacity in 000's fbm)				Ven- eer	Spec- ialty	Total
	to 10	10-50	50 up	Pulp			
1955	1,120	159	58	29	..	..	1,366
1956	1,115	162	59	29	..	..	1,365
1957	1,120	160	57	29	..	..	1,366
1958	1,124	158	57	29	..	..	1,368
1959	1,120	135	54	29	..	..	1,338
1960	646	129	23	24	..	..	822
1961	668	121	27	24	..	..	840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26	28	97	1,030
1966	671	117	30	27	30	89	964
1967	655	113	25	26	28	97	944
1968	644	100	28	25	29	96	922
1969	593	101	27	25	29	99	874

MANAGEMENT UNITS as of March 31st

Year	Crown	CROWN LAND Company	Total	AGREEMENT FOREST
1954	87	36	123	..
1955	81	36	117	..
1956	82	39	121	..
1957	80	41	121	..
1958	81	43	124	..
1959	77	48	125	..
1960	72	101	173	42
1961	76	79	155	42
1962	78	79	157	42
1963	79	77	156	42
1964	81	75	156	46
1965	81	71	152	59
1966	78	67	145	60
1967	78	66	144	60
1968	77	66	143	60
1969	77	57	134	60

AREAS OF MANAGEMENT UNITS in Square Miles

1957	129,551	78,837	208,388	...
1958	125,397	85,034	210,431	...
1959	.....	.....	.....	...
1960	83,295	100,408	183,703	224
1961	83,900	96,983	180,883	230
1962	84,108	99,987	184,095	234
1963	85,216	97,342	182,558	244
1964	.....	.....	.....	245
1965	88,214.7	100,476.4	188,691.1	280.1
1966	89,122.1	97,726.0	186,848.1	315.2
1967	90,665.0	99,342.9	190,007.9	328.8
1968	91,987.0	99,351.0	191,338.0	339.6
1969	93,052.0	93,126.0	186,178.0	350.0

*PRIMARY GROWING STOCK in 000's Cubic Feet

Cubic-foot volumes of primary growing stock on productive forest land in Ontario by species and in two size classes.

Species	4"-9" d. b. h.	10" up d. b. h.	Total
White pine.....	759,884	3,136,869	3,896,753
Red pine	262,259	859,182	1,121,441
Jack pine.....	13,637,962	6,486,599	20,124,561
Pitch pine	90	132	222
White spruce.....	2,844,250	5,054,764	7,899,014
Black spruce.....	38,609,370	5,656,094	44,265,464
Balsam fir.....	7,548,699	1,875,756	9,424,455
Hemlock	349,745	1,059,874	1,409,619
White cedar.....	1,413,148	1,605,967	3,019,115
Red cedar.....	1,638	545	2,183
Larch.....	177,764	25,025	202,789
Total Conifers	65,604,809	25,760,807	91,365,616
Sugar maple	1,917,892	4,488,726	6,406,618
Soft maple.....	460,542	405,293	865,535
Yellow birch.....	503,134	3,682,764	4,185,898
Beech.....	183,503	446,277	629,780
Elm	346,282	723,814	1,070,096
Ironwood	172,359	22,294	194,653
Red oak	228,796	240,059	468,855
White oak.....	21,837	34,385	56,222
White birch.....	10,026,642	6,188,709	16,215,351
Poplar	13,709,143	14,373,889	28,083,032
Ash	351,292	268,479	619,771
Basswood.....	102,957	279,049	382,006
Black cherry.....	59,881	28,637	88,518
Butternut.....	1,388	3,601	4,989
Hickory	24,375	15,342	39,717
Other hardwoods	5,024	1,476	6,500
Total Hardwoods ...	28,115,047	31,202,794	59,317,841
TOTAL ALL SPECIES .	93,719,856	56,963,601	150,683,457

*The Forest Resources of Ontario by R. M. Dixon, 1963

***ANNUAL ALLOWABLE CUT in 000's Cubic Feet**

Volumes of the annual allowable cut on productive forest land in Ontario by species and ownership groups.

Species	Crown land	Patented land	Total
White pine.....	32, 254	13, 737	45, 991
Red pine.....	13, 871	3, 216	17, 087
Jack pine.....	413, 427	16, 332	429, 759
Pitch pine .....	.....	6	6
White spruce.....	105, 027	12, 711	117, 738
Black spruce.....	551, 794	21, 943	573, 737
Balsam fir.....	139, 345	19, 912	159, 257
Hemlock	5, 031	5, 430	10, 461
Cedar.....	15, 893	12, 687	28, 580
Larch.....	2, 459	849	3, 308
Total Conifers	1, 279, 101	106, 823	1, 385, 924
Sugar maple	30, 476	42, 957	73, 433
Soft maple.....	1, 725	26, 825	28, 550
Yellow birch.....	37, 858	12, 534	50, 392
Beech.....	1, 687	4, 611	6, 298
Elm	675	16, 606	17, 281
Ironwood	573	1, 984	2, 557
Red oak.....	149	4, 950	5, 099
White oak	6	673	679
White birch.....	263, 626	31, 863	295, 489
Poplar	702, 313	140, 798	843, 111
Ash.....	1, 774	6, 638	8, 412
Basswood	1, 489	7, 973	9, 462
Black cherry.....	115	1, 102	1, 217
Butternut.....	.....	92	92
Hickory.....	6	729	735
Other hardwoods	1, 720	91	1, 811
Total Hardwoods ...	1, 044, 192	300, 426	1, 344, 618
TOTAL ALL SPECIES .	2, 323, 293	407, 249	2, 730, 542

*The Forest Resources of Ontario by R.M. Dixon, 1963

NEW POLICIES

[illegible]

NEW POLICIES

[illegible]

COMMITTEES

COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Algonquin Park Task Force
American Fisheries Society
---Time and Place Comm
---Water Quality Comm
Atlantic Flyway Council
Canada Fur Council
Canada Land Inventory coordinating Sub-Comm
Canada-Ontario Rideau-Trent-Severn Study
Canadian Fish Farmers Association---Ad hoc Comm
Comm for Selective Management of Shrubs on Roadsides
Comm to Examine Possibility of Decentralization of Responsibility
under The Lakes and Rivers Improvement Act
Coordinating Comm for Studies of Northern Ontario Water
Resources
Education Leave Comm
Federal-Provincial Advisory Comm---Resource Development
Agreement
Federal-Provincial Comm on Ontario Fisheries
Federal-Provincial Coordinating Comm on Indians
Federal-Provincial Wildlife Conference
---Comm on Polar Bear Management and Research
---Migratory Birds Technical Comm
Freshwater Fisheries Marketing Corporation---Board of Directors
Georgian Bay Fisheries Comm
Goals Plan Comm
Great Lakes Deer Group
Interdepartmental Comm on Pollution
---Advisory Comm on Pollution Control
---Sub-Comm on Food Processing and Industrial Waste
Interdepartmental Comm on Wildlife Management and Research
(Conjoint Comm---Guelph University, Department of Agriculture,
and Department of Lands and Forests)
Interdepartmental Rabies Comm---(Federal and Provincial
Departments of Health and Agriculture, and Department of
Lands and Forests)
International Association of Game, Fish and Conservation Com-
missioners
---Executive Comm
---Rare and Endangered Species Comm
---Resolutions Comm
---Time and Place Comm
International Great Lakes Fishery Commission
---Executive Comm
---Lake Comms
---Sea Lamprey Control and Research Comm
International Union of Forestry Research Organizations---Section
26
---Recreation and Wildlife---Working Group C: Techniques of
Measurement and Inventory
Midwest Fish and Game Comm---Resolutions Comm
Midwest Pheasant Council (Association of Midwest Fish and Game
Commissioners)

National Comm on Wildlife Lands
 Non-Resident Use of Crown Land---Study Group
 North American Forestry Commission---Working Group on Wildlife and Outdoor Recreation
 North American Moose Group
 Northeast Wildlife Conference---Moose Subcomm
 Ontario Council of Commercial Fisheries
 Ontario Waterfowl Research Foundation
 ---Scientific Advisory Board
 ---Technical Advisory Comm
 Outdoor Recreation Plan Comm
 Research Program Comm
 Recreation Liaison Comm
 Wild Rice Management Comm

FOREST PROTECTION BRANCH

Advisory Comm on Pollution Control --- Sub-Comm on Pesticides, Herbicides and Fertilizers
 Air Pollution Control Association
 Air Transport Association of Canada
 Canadian Institute of Forestry --- Youth Training, Fire Control
 Canadian Standards Association --- Comm on Fire Hose Couplings
 Conservation Business Management Association
 Entomological Society of Canada
 National Association of Fleet Administration
 National Fire Protection Association --- Forests Comm
 National Research Council --- Associate Comm on Forest Fire Protection
 North American Forestry Commission --- Fire Control Working Group
 Ontario Forestry Association --- Forest Fire Prevention Comm
 Ontario Professional Foresters Association
 Western Forestry and Conservation Association

LANDS AND SURVEYS BRANCH

Administrative sub-committee on Townsites
 Advisory Committee on Geodesy and Photogrammetry
 Advisory Council on Surveying
 Association of Ontario Land Surveyors --- Member of Council
 Canada Land Inventory Co-ordinating sub-committee
 Canadian Advisory Council on Cadastral Surveys
 Canadian Permanent Committee on Geographical Names
 Co-ordinating Committee on studies of Northern Ontario Water Resources (Ontario-Canada)
 Federal and Provincial Government Survey Officials
 Federal-Provincial Rideau-Trent-Severn Study Committee
 International Boundary Commission
 International Great Lakes Levels Board --- shore property sub-committee
 International Hydrological Decade
 Interprovincial Boundary Commissions
 Lake of the Woods Control Board
 Mapping Liaison Committee
 National Advisory Committee on Recreational Land Inventory
 Ontario Water Resources Liaison Committee
 Private Lands Liaison Committee
 Public Agricultural Lands Committee
 Resources Transportation Committee, Northern Ontario
 Waterfront Technical Committee (under Metropolitan Toronto).

LAW BRANCH

Fed-Prov Advisory Comm on Resources Management

OPERATIONS BRANCH

American Association for Conservation Information
Canadian Association of Provincial Hunter Training Officers
Canadian Society of Safety Engineering
Conservation Business Management Association
International Association of Game, Fish and Conservation
Commissioners
International Order of Hoo-Hoo, Toronto Club No. 53
International Rescue and First Aid Association
National News Week (Toronto Men's Press Club)
North American Conservation Hall of Fame
North-East Fish and Wildlife Association---Information and
Education Section
Ontario Government Purchasing Officers Council
Ontario Safety Council
Outdoor Writers of Canada
Standards and Specifications Comm on Furniture and Furnishings
Uniform Standards and Specifications Comm

PARKS BRANCH

Canada-Ontario Rideau Study Comm
Fed-Prov Parks Conference
Federation of Ontario Naturalists
Interdepartmental Master Tourism and Outdoor Recreation Plan
Comm
Intergovernmental Comm on Recreation and Wildlife (C.C.R.M.)
Northern Ontario Transportation Study Comm
Ontario Conservation Council --- Parks Comm, Research Comm
Ontario Forestry Assn --- Forest Fires Prevention Comm
Quetico-Superior Joint Advisory Comm
Wasaga Beach Advisory Comm --- Chairman
Water Resources Liaison Comm

RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for Harkness Lab. for Fisheries Research
Advisory Comm for Laboratory of Experimental Limnology
American Fisheries Society
American Society of Fisheries Research Biologists
Canadian Comm for Freshwater Fisheries Research
Federal-Provincial Comm for Ontario Fisheries
Great Lakes Fishery Commission
--- Scientific Advisory Comm
--- Lake Ontario Comm
--- Lake Erie Comm
--- Lake Huron Comm
--- Lake Superior Comm
--- Sea Lamprey Research and Control Comm
Great Lakes Institute, University of Toronto
Interdepartmental Rabies Committee (Provincial Departments of
Health, Agriculture and Lands and Forests)
International Association for Great Lakes Research
Interprovincial Fertilization Comm

Metric System Comm
 Mississippi Flyway (Research) Council
 North American Wildlife Conference
 North Central Division, American Fisheries Society
 Northeast Wildlife Conference
 Northeastern Division, American Fisheries Society
 Ontario Council of Commercial Fishermen
 Ontario Research Foundation
 - Advisory Comm on Research in Fish and Wildlife
 - Quality Wood Comm
 Ontario Waterfowl Research Foundation -- Scientific Advisory
 Comm
 Science Council of Canada, Committee on Fish and Wildlife
 Research

TIMBER BRANCH

American Society of Agricultural Engineers
 American Society of Photogrammetry---Photo Interpretation Comm
 Canada Comm on Forest Tree Breeding
 Canada-Ontario Forest Research Comm
 Canadian Institute of Surveying---Air Photo Interpretation
 Conservation Council of Ontario
 Interprovincial Technical Comm on Forest Fertilization
 North American Forestry Commission
 Ontario Economic Council
 Ontario Forestry Association---Board of Directors
 Ontario Maple Syrup Producers' Association---Advisory Comm
 Ontario Professional Foresters Association
 Ontario Shade Tree Council
 Ontario Shade Tree Laboratory---Advisory Comm
 Photogrammetria---Editorial Comm
 Society of American Foresters
 Technical Comm on Forest Equipment
 U.N. Food and Agricultural Organization
 U.S. Region Nine Nurserymen's Association

MEMORANDUM

MEMORANDUM

MEMORANDUM

MEMORANDUM

[illegible]

MEMORANDUM

[illegible]

COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning
Chapleau Area Chamber of Commerce - Committee Member
Ontario Professional Foresters Association

COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Lands Comm
Emergency Measures Organization
Mattagami River Valley Conservation Authority
Moosonee Chamber of Commerce
Moosonee Planning Board
Northeastern Ontario Development Association
Porcupine Chamber of Commerce
Search and Rescue Unit

FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning
Quetico-Superior International Joint Advisory Comm

GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning
Advisory Comm to the Lakehead School of Forestry
Associate Comm on Forest Protection, N.R.C. - Research Sub-Comm
Canadian Institute of Forestry - Northwestern Ontario Section Council
Geraldton Industrial Development Comm
Geraldton Planning Board
Marathon Conservation School
Ontario Professional Foresters Association-Finance Comm
Search and Rescue Unit

KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Land Use Comm
Brunetville Rehabilitation Liaison Comm
Industrial Development Comm
Kapuskasing Rod and Gun Club
Planning Boards (Kapuskasing and Hearst)

KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont, Glengarry, Prescott and Russell and Carleton Counties
Catawqui Region Conservation Authority - Reforestation Advisory Comm
Conservation Council of Stormont, Dundas and Glengarry
Eastern Ontario Development Council
Eastern Ontario Regional Advisory Board
Gananoque Management Comm
Gananoque River Waterway Association
Interprovincial Conservation Council
Ontario Federation of Agriculture (Leeds, Carleton)

Ontario Federation of Anglers and Hunters - Zone 4
 Ontario Forestry Association - Tree Farm Comms in Glengarry
 and Lanark Counties
 Raisin River Conservation Authority
 Rideau River Conservation Authority
 Reforestation Comm for County Councils of Leeds and Grenville;
 Dundas, Stormont and Glengarry; Prescott and Russell;
 Carleton and Lanark.
 Reforestation Comms for Township Councils of Torbolton,
 Marlborough, Williamsburgh and Cumberland
 Seaway Valley Travel Council
 Soil and Crop Improvement Association --- Land Use Comms for
 Eastern Ontario and for Leeds, Grenville, Glengarry, Russell,
 Stormont and Prescott Counties.
 South Nation Conservation Authority
 St. Lawrence Parks Commission --- Fish and Wildlife Advisory
 Comm.

KENORA DISTRICT

Amik Assoc --- Advisory Board
 Dryden High School Conservation Course --- Advisory Comm
 Dryden High School Forestry Course --- Advisory Comm
 Ontario Professional Foresters Association
 Recreational Zoning Comm

LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board
 Big Creek Conservation Authority -
 --- Fish & Wildlife Advisory Board
 --- Forestry Advisory Board
 Catfish Creek Conservation Authority --- Forestry Advisory
 Board
 Grand Valley Conservation Authority --- Reforestation Comm
 Great Lakes Fishery Commission --- Research and Management
 Comm, Lake Erie Research and Management Comm
 Haldimand Agricultural Committee
 Kettle Creek Conservation Authority --- Forestry Advisory Board
 Lake Erie Fisheries Research Advisory Comm
 Lake Erie Regional Advisory Board
 Lake St. Clair Regional Advisory Board
 Lincoln County Reforestation Comm
 Lower Thames River Conservation Authority --- Forestry
 Advisory Board
 Middlesex County Forestry Comm
 Niagara Peninsula Conservation Authority --- Reforestation Comm
 Niagara Regional Advisory Board
 Norfolk County Reforestation Comm
 Ontario Professional Foresters Association --- Forest
 Management Comm
 Otter Creek Conservation Authority --- Forestry Advisory Board
 Sydenham Valley Conservation Authority --- Forestry Advisory
 Board

LAKE HURON DISTRICT

Ausable Valley Conservation Authority
 Big Creek Conservation Authority
 Bruce County Outdoor Education Comm
 Bruce Trail Assoc

Camp Oliver (Department of Reform Institutions)
 Canadian Institute of Forestry --- Southern Ontario Section
 Council
 East Luther Twp Planning Comm
 Georgian Bay Regional Advisory Board
 Grand River Conservation Authority
 Hamilton Region Conservation Authority
 Huron County Planning Board
 Huron District Woodlot Association
 Midwestern Ontario Regional Advisory Board
 Maitland Conservation Authority
 North Grey Conservation Authority
 Ontario Professional Foresters Assoc
 Otter Creek Conservation Authority
 Oxford County Planning Board
 Forestry Comms of County Councils in Grey, Bruce, Huron,
 Oxford, Perth, Waterloo, Wellington, Wentworth, Brant and
 Halton Counties
 Sauble Conservation Authority
 Saugeen Conservation Authority
 Upper Thames Conservation Authority

LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
 Bruce Trail Assoc
 Central Lake Ontario Conservation Authority --- Land Use, Water
 Control and Reforestation Advisory Board
 Central Ontario Regional Development Advisory Board
 Credit Valley Conservation Authority --- Reforestation and Land
 Use Advisory Board
 Essa Township Conservation Comm
 Georgian Bay Regional Development Council --- Land Use, Con-
 servation
 Grand Valley Conservation Authority --- Land Use, Reforestation,
 Conservation
 Holland Valley Conservation Authority --- Land Use, Conservation
 of land, water and wildlife
 Lake Simcoe and District Maple Syrup Producers' Association
 Metropolitan Toronto and Region Conservation Authority ---
 Reforestation and Land Use Advisory Board
 Minister's Advisory Comm on Wasaga Beach
 Nottawasaga Valley Conservation Authority --- Land Use, Water
 Control and Conservation
 Reforestation Comms of County Councils in Simcoe, Dufferin,
 York and Ontario Counties
 Shore Facilities Sub-Committee of the Advisory Committee on
 Control of Pollution from Pleasure Craft
 Wasaga Beach Interdepartmental Study Comm.

LINDSAY DISTRICT

Central Lake Ontario Conservation Authority --- Land Use, Water
 Control and Reforestation Advisory Board
 Crowe River Water Management Comm
 Durham and Northumberland Counties --- Reforestation Comm
 Ganaraska Region Conservation Authority --- Forestry Advisory
 Board
 Lake Ontario Regional Development Council
 Ontario Maple Syrup Producers' Assoc

Otonabee Region Conservation Authority --- Reforestation and
Land Use Advisory Board; Wildlife Advisory Board
Victoria County --- Reforestation and Soil Conservation Comm;
ARDA Comm
Peterson Trail Conservation Assoc
Sir Sanford Fleming College-- Advisory Council

NORTH BAY DISTRICT

Agricultural Lands Comm
Canadian Institute of Forestry
Northeastern Ontario Regional Development Council
Recreational Land Use Planning Comm

PARRY SOUND DISTRICT

Agricultural Land Use Comm
Federation of Ontario Naturalists --- Jr. Naturalist Bulletin
Muskoka, Parry Sound and Nipissing Maple Syrup Producers'
Assn
North Georgian Bay Advisory Comm
Parry Sound Anglers and Hunters Association
Peterson Trail Conservation Association
Recreational Land Use Planning Comm (Parry Sound and Muskoka)
Regional Development Board, Ont. Regional Development
Program

PEMBROKE DISTRICT

Advisory Committee on Recreational Land Use Planning
Algonquin College Advisory Comm, Upper Ottawa Valley Campers
Algonquin Park Task Force
County of Renfrew Conservation Comm
Renfrew County ARDA Advisory Comm

PORT ARTHUR DISTRICT

Lakehead Campers Association
Lakehead Conservation Authority
Lakehead University --- Forestry Comm
Private Lands Liaison Comm
Quetico-Superior Joint Advisory Comm
Recreational Land Use Planning Comm
Shebandowan Campers Association
Thunder Bay Fish and Game Association

SAULT STE. MARIE DISTRICT

Algoma Recreational Development Council
Agricultural Comm
Agricultural Resources Development Assoc
Canadian Institute of Forestry
Forest Products Accident Prevention Assoc --- Area Comms
4-H Club
Municipal Recreation Boards
Ontario Professional Foresters Assoc --- Council
Recreational Land Use Planning Comm
Sault Ste. Marie Chamber of Commerce Tourist Comm
Sawmilling Industries Comm
Y.M.C.A. Canoe Tripping Comm

SIoux LOOKOUT DISTRICT

Agricultural Lands Comm
Association of Natural Resource Technicians (Ontario)
Canadian Institute of Forestry, Lake of the Woods Section
Co-ordinating Comm on Studies of Northern Ontario Water
Resources
Ontario Professional Foresters Association
Recreational Land Use Planning Comm
Search and Rescue Unit
Sioux Lookout Evacuation Plans
Sioux Lookout Resource Rangers

SUDBURY DISTRICT

Manitoulin Island Conservation Advisory Comm
Natural Resources Technology Curriculum Comm
Recreational Land Use Planning Comm

SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Comm
Agricultural Lands Comm
Kirkland Lake Chamber of Commerce --- Member
Search and Rescue Unit

TWEED DISTRICT

Cataragui Region Conservation Authority --- Environmental
Sciences Advisory Board
Crowe Valley Conservation Authority --- Water Control
Joint Commercial and Sport Fish Comm for the Bay of Quinte
Moir River Conservation Authority --- Wildlife Advisory Board
Napane River Conservation Authority --- Forestry Advisory
Board
Renfrew County --- Agriculture and Conservation Comm
Advisory Comms to County ARDA --- Frontenac, Prince Edward,
Hastings, and Lennox and Addington

WHITE RIVER DISTRICT

Canadian Institute of Forestry
Recreational Planning Comm
Ontario Professional Foresters Assn --- Management Planning
Comm

ONTARIO FOREST TECHNICAL SCHOOL

Canadian Council of Technical Forestry School Executives

AREA AND POPULATION BY PROVINCES populations in 000's

Province...Area in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961	*1969
Ontario.....412,582 July 1, 1867	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236	7,518
Quebec.....594,860 July 1, 1867	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259	6,002
Nova Scotia.....21,068 July 1, 1867	387	450	492	523	512	577	642	737	764
New Brunswick.....27,985 July 1, 1867	285	321	351	387	408	457	515	598	626
P.E.I.....2,184 July 1, 1873	94	109	93	88	88	95	98	105	110
Newfoundland.....155,364 Mar. 31, 1949	....	.....	.....	.....	.....	.....	361	458	515
Manitoba.....246,512 July 15, 1870	25	152	461	610	700	729	776	922	979
Saskatchewan.....251,700 Sept. 1, 1905	....	.....	492	757	921	895	831	925	956
Alberta.....255,285 Sept. 1, 1905	....	.....	374	588	731	796	939	1,332	1,573
British Columbia...366,255 July 20, 1871	36	98	392	524	694	817	1,165	1,629	2,089
Territories**...1,511,979	48	98	15	12	13	16	25	38	48
CANADA.....3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238	21,180

*Estimate of Dominion Bureau of Statistics, Oct. 1.

**Yukon, 207, 076 sq. mi., organized June 13, 1898; North West Territories, 1, 304, 903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.

- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established.
Forest Ranger School at Dorset established.

- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.

- 1949 White River District established (Central Region), the 22nd District.

- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.

- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised.
Silviculture becomes the third Branch in Division of Timber.
Land Use Planning Section created in Lands and Surveys.

- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

- 1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.

- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

- 1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.

1965 Land Use Planning Section, Lands and Surveys Branch, merged with Land Acquisition Section as Land Acquisition and Planning Section.

1966 The Woodlands Improvement Act was passed into law, authorizing the Minister of Lands and Forests to enter into agreements with land-owners under which tree planting and woodland improvement work may be done by the Department.

G.H.U. Bayly appointed Deputy Minister. Regional Director appointed at Maple for Southern Ontario, additional to directors at Sudbury (North-Eastern) and Port Arthur (North-Western). Regional Forester in South-Central, only.

1967 "Post One" - The first monument in the Ontario Plane Coordinate System of surveys dedicated on June 21st at Queen's Park.

1968 Gogama Forest District eliminated in a re-organization, effective April 1st, reducing the number of districts to 21.

1969 Engineering Section transferred from Lands and Surveys Branch to Forest Protection Branch as Engineering Services Section, April 1st.

Timber Branch re-organized into two sections, Timber Production and Timber Sales, and a Forest Economics Unit on September 2nd.

Regional Foresters eliminated, November 1st.

STATISTICS, 1971



DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE,
Minister

G. H. U. BAYLY,
Deputy Minister



STATISTICS, 1971

A
Statistical Reference
of
Lands and Forests
Administration

OPERATIONS BRANCH



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE,
Minister

G. H. U. BAYLY,
Deputy Minister

NEW POLICIES

[illegible]

INDEX

	PAGE
Foreword.....	1
Premiers of Ontario since Confederation.....	2
Commissioners and Ministers since 1827.....	3
Deputy Ministers since Confederation.....	4
Administrative Districts	6
ACCOUNTS BRANCH	11
Revenue and Expenditures.....	13
Revenue, details of	14
FISH AND WILDLIFE BRANCH	21
Fur Returns by Game Management Districts.....	23
Pelts, Value and Revenue	24
Bounties Paid	26
Breeding Stock on Fur Farms.....	27
Game Birds, Hunting Preserves and Propagators.....	28
Licences Sold (Hunting and Angling)	30
Fish Hatchery Distribution	32
Commercial Fishing Equipment.....	36
Yield of Fisheries by Species and Waters	37
Prosecutions, Fines, etc.	47
FOREST PROTECTION BRANCH.....	49
Historic Fires	52
Forest Fire Statistics.....	53
Major Equipment	59
Air Service Section.....	61
Air Service Statistics.....	62
Air Base Opening Dates	66
LANDS AND SURVEYS BRANCH	69
Lands Proposed, Acquired and Rejected	75
Free Grant Land	77
Agricultural Land	78
Summer Resort Land	79
Cities, Towns and Townplots	80
Land for Special Use.....	81
Licences of Occupation, Leases.....	82
Land Use Permits.....	83
By District, 1970.....	84
Distribution of Lithographed Maps	91
Retracement Surveys, Installed Capacity in H. P.	92
LAW BRANCH	95
Federal-Provincial Co-operative Agreements	103

INDEX - Continued

	PAGE
OPERATIONS BRANCH	111
Hunter Safety Training, Hunting Accidents	113
Workmen's Compensation	114
Illustrated Public Lectures	115
Information and Education Services	116
Publications	117
PARKS BRANCH	121
Public Use of Provincial Parks	123
Provincial Parks (by Districts)	126
Reserve Areas (by Districts)	132
Wilderness Areas	134
PERSONNEL BRANCH	139
Number of Employees	141
Summary of Classifications	142
Number of Professional Employees	144
Number of Employees by Months	143
Junior Rangers	146
Supervisory Personnel	147
District Supervisory Personnel	148
Ontario Forest Technical School	169
RESEARCH BRANCH	171
TIMBER BRANCH	175
Timber Production Section	177
Reforestation Establishments, Tree Production	178
Trees Supplied to Private Lands	180
Forest Areas Managed by the Minister	182
Trees Planted on Managed Forests and Crown Lands	184
Trees Planted in Forest Districts	187
Forest Regeneration by District	188
Forest Tending by District	190
Silvicultural Operations on Crown Lands	192
Economics Unit	193
Timber Sales Section	195
Wood Cut by Species	199
Wood Cut by District, 1969	200
Wood Cut by District, 1970	255
Licences -- Timber and Mills	305
Management Units	306
Primary Growing Stock and Allowable Annual Cut	307
COMMITTEES	309
AREA AND POPULATION by Provinces	319
HISTORICAL HIGHLIGHTS	320

FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1970 season and are subject to correction in the Annual Report for the year ending March 31st, 1971.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield		
Macdonald.....	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat.....	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy.....	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney.....	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard		
Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury ..	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry.....	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn..	July 10, 1934	Oct. 21, 1942
Hon. G.D. Conant.....	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon.....	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy ..	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	.....

COMMISSIONERS AND MINISTERS SINCE 1827

	From	To
Hon. Peter Robinson	July 17, 1827	July 14, 1836
Hon. R.B. Sullivan.....	July 14, 1836	June 30, 1841
Hon. John Davidson	July 23, 1841	Oct. 12, 1842
Hon. A.N. Morin	Oct. 13, 1842	Dec. 11, 1843
Hon. D.B. Papineau.....	Sept. 3, 1844	Dec. 7, 1847
Sir John A. MacDonald ..	Dec. 8, 1847	Mar. 10, 1848
Hon. J.H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte ...	Aug. 17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855	April 30, 1857
Sir E.P. Tache	June 16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte ...	Nov. 25, 1857	Aug. 1, 1858
Sir. A.A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet .	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood...	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall....	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell.....	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards...	July 1, 1867	July 25, 1871
Sir Matthew C. Cameron.	July 25, 1871	Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy ...	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E.J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A.G. McKay.....	Nov. 22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb. 8, 1905	May 13, 1905
Hon. F. Cochrane.....	May 13, 1905	Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G.H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N.O. Hipel	May 27, 1941	Aug. 17, 1943
Hon. W.G. Thompson....	Aug. 17, 1943	Nov. 28, 1946
Hon. H.R. Scott.....	Nov. 28, 1946	June 3, 1952
Hon. W.S. Gemmell.....	June 3, 1952	July 7, 1954
Hon. C.E. Mapledoram..	July 7, 1954	July 4, 1958
Hon. J.W. Spooner	July 23, 1958	Oct. 25, 1962
Hon. A. Kelso Roberts, Q. C.	Oct. 25, 1962	Oct. 28, 1966
Hon. Rene Brunelle	Nov. 24, 1966	.....

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL.....	1941
G. H. U. BAYLY.....	1966

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization until retiring in 1966.

G. H. U. BAYLY joined the Department with the Division of Reforestation in 1945. He was appointed Chief in 1955 and Assistant Deputy Minister in 1957. He flew with the RCAF from 1940 to 1945, in the United Kingdom, Africa and the Far East, retiring with the rank of Squadron Leader and the Distinguished Flying Cross won in the battle for Ceylon. He received a B. Sc. F. degree from the University of Toronto in 1939 and a M. Sc. F. in 1952.

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles) February 25, 1969	ADMINISTRATIVE DISTRICT			FIRE DISTRICT		
	Land	Water	Total	Land	Water	Total
Chapleau.....	9,186	863	10,049	9,186	863	10,049
Cochrane.....	58,174	5,319	63,493	49,678	1,720	53,398
Fort Frances.....	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton.....	35,479	9,805	45,284	35,479	9,805	45,284
Kapuskasing.....	22,595	1,125	23,720	22,595	1,125	23,720
Kemptville.....	5,632	313	5,945	596	31	627
Kenora.....	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie.....	6,905	6,142	13,047	.....	.....	.....
Lake Huron.....	8,860	6,486	15,346	723	22	745
Lake Simcoe.....	4,710	1,444	6,154	228	19	247
Lindsay.....	5,097	1,692	6,789	2,718	232	2,950
North Bay.....	4,969	887	5,856	4,969	887	5,856
Parry Sound.....	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke.....	4,765	410	5,175	4,749	409	5,158
Sault Ste. Marie.....	6,297	2,281	8,578	6,154	2,281	8,435
Sioux Lookout.....	103,392	10,610	114,002	67,778	7,512	75,290

Sudbury.....	10,473	4,505	14,978	9,349	1,450	10,799
Swastika.....	5,341	292	5,633	5,341	292	5,633
Thunder Bay.....	16,933	3,067	20,000	16,933	3,067	20,000
Tweed.....	6,734	1,706	8,440	4,465	311	4,776
White River.....	8,005	4,133	12,138	8,005	4,133	12,138
TOTAL.....	344,092	68,490	*412,582	269,491	43,569	313,060

*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

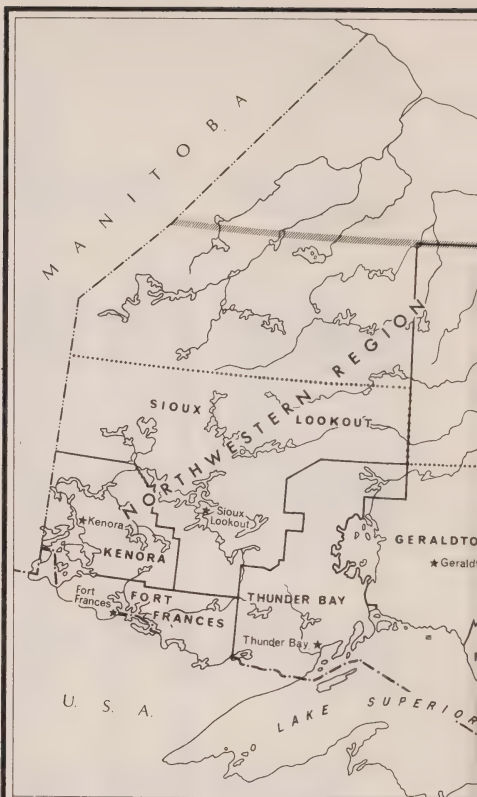
Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Thunder Bay, 1,593; Geraldton, 4,872; White River, 3,497; Sault Ste. Marie, 1,770; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

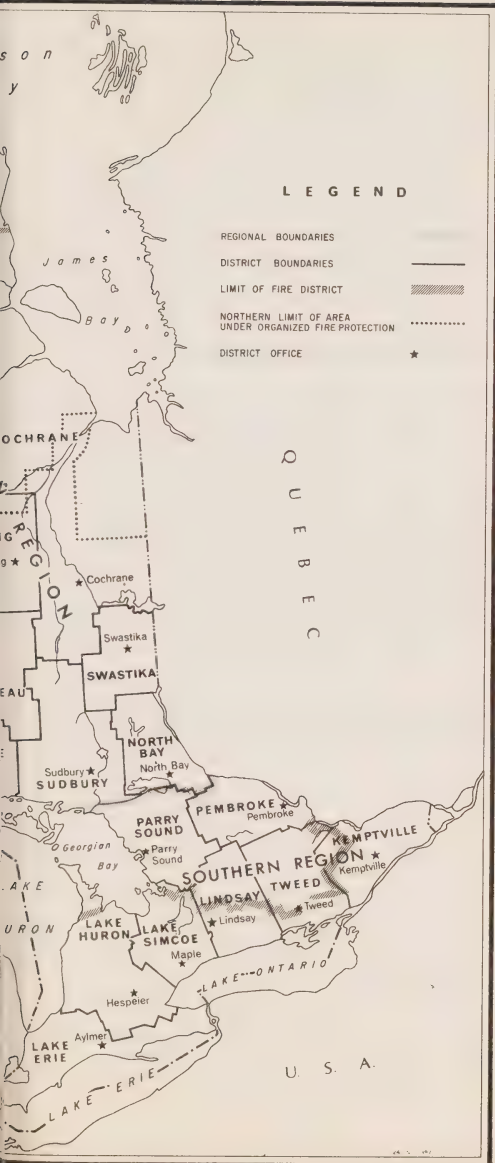
Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest known point in Ontario is Ogidaki Mountain. Township 24, Range 12, Algoma District, elevation 2,183 feet above mean sea level.

(SEE MAP OF DISTRICTS, PAGE 8)



MAP OF
THE PROVINCE OF ONTARIO
SHOWING
**ADMINISTRATIVE
DISTRICTS AND REGION**
OF THE
ONTARIO
DEPARTMENT OF LANDS AND FORESTS



LEGEND

- REGIONAL BOUNDARIES
- DISTRICT BOUNDARIES
- LIMIT OF FIRE DISTRICT
- NORTHERN LIMIT OF AREA UNDER ORGANIZED FIRE PROTECTION
- DISTRICT OFFICE

QUEBEC

U. S. A.

ACCOUNTS BRANCH

The Division of Accounts was established in 1941 under J. G. McMillen.

R. R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports. A comprehensive internal audit program is provided. In 1964, a systems improvement program was instituted.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBEAN

Chief Accountant: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

Systems Improvement Program

REVENUE ACCOUNTING

**Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals**

EXPENDITURE & GENERAL ACCOUNTING

**Payrolls, Accounts Payable
Accounting Machine Operations**

BUDGET ACCOUNTING

**Budget Estimates & Forecasts,
Financial Reports**

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

**Secretarial
Department Mail Services**

LANDS AND FORESTS REVENUE AND EXPENDITURES in years ended March 31st

YEAR	CASH RECEIPTS		CASH DISBURSEMENTS			
	Ordinary	Fixed Assets	Total	Ordinary	Capital	Total General Expenditure
1951	\$10,966,065.72	\$5,351,437.91	\$16,317,503.63	\$9,840,796.17	\$3,326,822.18	\$13,167,618.35
1952	14,604,915.18	3,222,682.07	17,827,597.25	10,681,717.01	2,196,671.93	12,878,388.94
1953	20,634,549.56	2,513,325.57 ^m	23,147,875.13	11,486,280.94	1,654,781.54 ^m	13,141,062.48
1954	18,156,762.00	1,810,672.96	19,967,434.96	12,608,258.47	800,000.00	13,408,258.47
1955	19,146,974.96	178,810.09	19,325,785.05	12,716,508.33	178,810.09	12,895,318.42
1956	19,823,049.47	328,056.86	20,151,106.33	17,148,523.65	128,297.23	17,276,820.88
1957	20,881,873.91	367,501.40	21,249,375.31	16,037,678.39	187,935.36	16,225,613.75
1958	22,189,712.48	490,717.96	22,680,430.44	18,733,582.62	280,550.13	19,014,132.75
1959	19,512,132.50 ^w	725,375.25	20,237,507.75	20,259,829.63	4,167,468.40 ^p	24,427,298.03
1960	18,627,418.14 ^w	807,860.60	19,435,278.74	23,029,901.12 ^p	991,022.60	24,020,923.72
1961	20,811,710.78	844,686.28	21,656,397.06	23,042,059.98	234,988.32	23,277,048.30
1962	21,361,244.94	644,158.52	22,005,403.46	26,606,120.51	1,413,973.51	28,020,094.02
1963	21,852,508.58 ^w	721,351.77	22,573,860.35	25,579,139.71	2,934,927.69	28,514,067.40
1964	22,584,169.47	640,056.82	23,224,226.29	27,815,028.66	3,557,125.18	31,372,153.84
1965	23,273,311.03	768,852.31	24,042,163.34	28,667,274.63	1,562,775.74	30,230,050.37
1966	25,513,416.20	822,938.60	26,336,354.80	28,528,699.63	3,893,760.12	32,422,459.75
1967	26,288,442.11	1,129,352.10	27,417,794.21	36,307,310.01	5,905,588.27	42,212,898.28
1968	28,755,043.88	1,225,300.22	29,980,344.10	42,807,111.26	8,006,754.94	50,813,866.20
1969	32,291,088.76	1,488,316.16	33,779,404.92	48,375,964.51	10,343,575.11	58,719,539.62
1970	37,550,206.83	1,968,479.08*	39,518,685.91	.....	.....	61,452,670.60**

Grants to Conservation Authorities in 1962, 1963 and 1964.

Water power revenue transferred to Treasury Department in 1959. p--Parks improvements. w--Cut back in woods operation. m--Mississagi project.

* Prior years designated as Capital Receipts.

** Expenditures designated as Ordinary and Capital in prior years.

TIMBER REVENUE in years ended March 31st

Year	Crown Dues	Ground Rent	Forest Protection Charges	Cash Deposits and Refunds	Misc.	Total
1947	\$6,175,444	\$125,061	\$461,164	\$164,784	\$17,651	\$6,944,104
1948	6,093,410	126,875	456,444	.....	178,302	6,855,031
1949	6,899,107	108,934	440,011	130,506*	14,744	7,332,290
1950	6,146,884	112,139	485,313	29,195	15,704	6,789,235
1951	5,269,279	116,642	1,007,662	53,743	13,777	6,461,103
1952	8,324,529	114,197	1,010,554	26,954	24,631	9,500,865
1953	13,718,339	123,366	1,175,776	77,859	22,361	15,117,701
1954	10,225,155	79,832	1,052,635	14,373*	23,211	11,396,460
1955	10,834,114	76,019	945,953	53,919	17,673	11,927,678
1956	11,667,003	76,234	971,517	18,024*	10,000	12,706,730
1957	12,332,778	80,786	1,091,659	34,762	16,583	13,556,568
1958	13,333,503	81,098	1,041,837	45,844*	20,414	14,431,008
1959	11,382,445w	84,468	1,085,027	51,833*	19,893	12,520,000
1960	10,381,470w	82,255	1,057,804	16,924	26,869	11,565,322
1961	11,983,088	80,488	1,035,464	38,664*	32,041	13,092,417
1962	12,202,240	83,074	1,085,269	21,102	14,660	13,406,345
1963	11,418,166w	83,903	1,096,639	7,969*	26,661	12,617,400
1964	12,194,962	81,522	989,233	48,800	25,067	13,339,583
1965	12,442,384	88,569	1,153,344	16,177	29,239	13,729,713
1966	13,770,045	83,865	1,083,416	64,461*	20,715	14,893,580
1967	13,273,094	85,950	1,123,840	38,958	44,628	14,566,470
1968	15,006,187	118,105	1,519,165	22,730*	94,084	16,714,811
1969	14,704,603	239,304	3,125,169	20,422	100,289	18,189,787
1970	17,501,304	169,426	2,213,672	18,268*	105,368	19,971,502

*Refunds in excess of deposits.

w - Cut back in woods operations.

PROVINCIAL PARKS REVENUE in years ended March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Federal Assistance	Misc.	Total
1957	\$	\$ 45,613	\$	\$	\$ 13,008	\$ 58,621
1958	148,488	78,462	.....	.....	17,383	244,333
1959	207,751	124,137	.....	222,287	27,181	581,356
1960	292,459	206,148	44,775	.....	25,556	568,938
1961	382,887	331,481	60,868	195,129	25,208	995,573
1962	438,632	447,535	58,831	.....	45,313	990,311
1963	507,657	537,997	71,646	218,916	34,347	1,370,563
1964	554,098	599,440	84,125	.....	17,305	1,254,968
1965	591,748	626,034	95,487	.....	21,945	1,335,214
1966	901,300	863,704	95,082	.....	24,849	1,884,935
1967	1,024,315	935,513	105,670	.....	37,998	2,103,496
1968	1,028,405	1,001,079	107,536	239,410	55,579	2,432,009
1969	553,131	1,648,213	116,283	.....	95,986	2,413,613
1970	609,390	1,937,078	131,033	361,377	43,349	3,082,227

FISH AND WILDLIFE REVENUE in years ended March 31st.

Year	Non-Res.		Res. P. P.		Res.		Other		Commercial		Royalty		Non-Res.		Res. Bear		Res. Deer		Res. Moose	
	Angling	Licences	Angling	Licences	Angling	Licences	Fishing	Licences	Fishing	Licences	Fish	Hunting	Licences	Licences	Licences	Licences	Licences	Licences	Licences	
1948	\$1,156,904								\$102,301		\$ 8,404	\$ 453,790					\$205,827		\$11,878	
1949	1,335,358		\$14,840				\$ 303		108,083		8,514	468,705					237,707		16,787	
1950	1,432,230		12,664				5,287		106,251		9,093	364,922					242,208		352	
1951	1,614,125		13,960				9,690		112,423		9,265	401,490					264,881			
1952	1,848,666		12,685				7,395		124,197		11,058	340,255					279,945		14,000	
1953	1,930,756		10,295				8,905		125,194		14,857	156,913					348,664		33,487	
1954	2,074,178		11,896				12,573		99,815		13,039	447,366					355,911		52,464	
1955	2,188,435		16,233				23,269		107,442		9,353	453,644					364,082		73,460	
1956	2,262,680		16,655				26,164		96,797		9,983	513,088					405,201		90,040	
1957	2,276,855		18,206				28,181		102,234		15,032	545,979					400,272		134,210	
1958	2,411,133		20,844				22,967		87,810		17,857	563,004					415,920		173,650	
1959	2,313,643		23,782				21,134		89,122		6,605	588,852					459,439		214,664	
1960	2,366,465		33,147				21,433		89,212		1,615	698,968					468,833		245,033	
1961	2,404,545		31,066				18,322		90,592		1,253	797,213					493,361		280,274	
1962	2,492,627		34,585				18,698		90,160		2,693	936,819		\$ 21			420,727		358,695	
1963	2,575,611		32,960				18,144		93,612		2,705	1,041,490		1,536			478,444		363,095	
1964	2,651,793		33,426				18,976		94,207		2,541	1,125,019		1,782			457,361		393,296	
1965	2,656,575		39,227				23,007		97,735		1,783	1,278,264		2,083			493,979		366,693	
1966	2,808,858		38,258				23,292		99,982		975	1,478,195		2,917			533,179		422,535	
1967	2,932,274		38,859				28,020		108,092		724	1,859,144		4,066			546,667		436,508	
1968	2,961,135		39,860				30,977		112,700		1,936	1,896,323		4,821			552,136		464,418	
1969	3,218,579		39,999			\$151,533*	28,476		115,815		982	2,105,872		5,710			903,722		725,130	
1970	4,247,268					1,660,094	35,164		110,163		767	2,092,522		6,798			870,576		698,139	

*Resident Angling Licence introduced January 1st, 1969.

FISH AND WILDLIFE REVENUE in years ended March 31st.

Year	Res.		Licences	Dog	Trappers'	Fur	Royalty	Hunter	Park	Total
	Ground	Hunting								
	Hog	(Gun)	Licences	Licences	Licences	Dealers'	Game	Examination	Hunting	
	Licences	Licences	Licences	Licences	Licences	Licences	Game	Fees	Permits	
1948	\$ 6,618	\$ 139,983	\$ 13,764	\$ 54,139	\$ 31,889	\$ 152,376				\$ 82,788
1949	9,401	150,977	15,923	62,746	30,674	265,425				88,433
1950	10,800	167,216	16,212	56,390	27,787	237,037				86,069
1951	10,583	173,087	17,120	64,078	27,305	257,619				90,125
1952	10,115	195,767	17,116	58,851	24,872	282,812				92,211
1953	13,052	218,336	18,595	58,896	23,111	339,708				109,146
1954	13,136	218,887	19,511	54,252	18,833	298,753				110,121
1955	21,175	234,296	21,766	53,374	19,413	289,846				113,468
1956	21,018	250,758	23,544	56,545	17,094	260,507				104,640
1957	23,845	244,431	23,492	49,595	14,345	223,357				106,093
1958	25,199	267,922	23,664	43,915	12,847	233,885				113,914
1959	28,867	292,713	24,224	38,330	3,979	229,946				104,524
1960	29,305	294,128	25,033	41,090	3,844	210,911				93,190
1961	29,152	298,594	24,516	37,274	3,300	242,210				96,438
1962	27,097	295,014	22,574	31,621	3,521	212,461				107,203
1963	28,199	301,142	22,187	33,031	3,488	222,234				106,918
1964	33,351	321,180	24,811	37,009	3,844	290,563			\$16,998	91,923
1965	32,347	309,060	24,269	34,744	3,586	252,380			20,869	92,477
1966	36,919	328,177	25,732	32,911	3,326	197,077			25,176	95,792
1967	39,443	331,256	25,934	31,641	2,950	223,867			27,764	109,254
1968	39,776	335,350	25,292	30,433	2,746	218,622			31,320	131,521*
1969	44,198	913,544	25,305	33,057	2,906	222,626			68,901	53,078
1970	92,030	899,906	23,874	35,847	2,637	213,364			73,707	53,452

*Fines included in Miscellaneous Revenue to Year Ended March 31st, 1968, now reported by Department of Justice.

LANDS AND SURVEYS REVENUE

in years ended March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,237	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250
1966	495,852	324,548	32,041	198,039	1,050,480
1967	732,281	346,762	34,265	356,877	1,470,185
1968	778,884	399,445	30,987	309,784	1,519,100
1969	1,113,794	384,822	30,781	422,869	1,952,266
1970	1,279,054	447,174	36,915	626,471	2,389,614

† Leases and Licences of Occupation

CASH RECEIPTS

In years ended March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	*Nursery Tree Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	.....
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414
1966	1,528,775	121,514	26,664	72,007	143,283
1967	1,772,838	136,660	31,878	81,667	106,888
1968	1,761,796	136,921	38,715	124,489	129,535
1969	1,754,617	169,603	44,572	84,249	159,354
1970	2,033,837	157,161	67,983	87,512	189,535

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 240. At peak periods, they are assisted by more than 200 other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: Dr. C. H. D. CLARKE

WILDLIFE SECTION

Supervisor: F. A. Walden

Game Management
Fur Management
Field Services

FISHERIES SECTION

Supervisor: J. D. Roseborough

Game Fish and Hatcheries
Fisheries Inventory
Commercial Fisheries
Indian Affairs Agreement

SPECIAL STAFF

Chief's Clerical Staff

Accounts and Staff Records
Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Year	No. of Trappers	Beaver	Fisher	Fox	Lynx	Marten	Mink	Muskrat	Otter	Raccoon	Skunk	Squirrel	Weasel
1952	11,641	99,391	2,081	5,069	251	1,529	27,704	567,565	5,259	10,905	5,747	5,598	13,129
1953	12,332	109,260	2,414	5,838	1,216	2,210	28,904	671,642	6,410	9,874	5,749	16,077	23,737
1954	11,914	91,484	2,335	5,289	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816
1955	12,310	115,439	2,915	2,977	1,547	3,587	29,520	640,865	6,224	99,641	1,879	16,133	28,813
1956	11,001	98,084	3,046	2,782	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190
1957	9,529	106,738	2,127	1,313	564	4,467	36,284	443,153	5,727	10,551	1,105	19,440	17,981
1958	8,604	140,371	3,173	2,159	1,103	6,061	49,484	446,578	8,519	9,596	2,019	14,778	16,410
1959	7,826	120,566	2,365	2,160	2,242	4,559	44,926	337,936	6,698	4,200	572	11,300	11,626
1960	8,657	110,615	3,125	1,273	4,038	6,361	47,445	320,287	6,040	10,580	389	9,255	12,472
1961	9,100	132,375	3,348	1,753	4,502	9,325	61,520	304,731	7,422	7,433	216	12,496	12,631
1962	8,588	137,609	2,728	3,090	4,578	10,260	47,215	377,888	7,456	9,543	264	10,009	11,143
1963	9,448	167,408	2,830	1,647	4,743	7,748	43,048	345,428	8,326	9,189	112	12,850	10,213
1964	9,437	181,778	3,659	2,625	4,913	12,822	44,161	366,862	8,890	11,025	...	14,880	10,213
1965	8,937	161,229	2,581	2,343	1,690	10,664	32,825	251,795	8,457	8,280	...	17,750	11,841
1966	9,035	147,627	3,116	4,088	1,503	19,131	25,705	390,685	8,171	20,389	72	9,297	10,446
1967	8,988	143,776	3,016	4,581	1,167	26,591	23,964	359,142	6,928	11,797	...	7,490	7,721
1968	7,497	160,278	2,189	3,672	912	13,977	21,272	369,848	7,204	14,970	...	17,758	5,791
1969	8,094	164,888	3,536	6,258	1,406	30,699	28,464	539,034	7,638	19,695	...	15,948	11,357
1970	9,503	155,127	3,172	5,141	1,915	24,358	27,008	348,502	6,994	15,199	...	6,796	4,678
1970 Price(\$)	15.06	24.39	11.22	23.70	7.12	6.78	32.37	4.44	...	...	...	...	...
1970 Total Value:	\$3,636,589.14												

*Management began in 1947. Wolf and bear returns not reported above.

**Lynx includes Bob Cat.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

VALUE OF PELTS

Year	Wild Beaver	Ranch Mink	Total Wild	Total Ranch	Total	Wild Beaver	Total Wild	Total Ranch	Total
1947	45,908	73,770	876,204	101,430	977,634	\$1,273,947	\$4,966,209	\$2,262,888	\$7,229,098
1948	20,102	125,829	1,001,249	155,468	1,156,717	671,407	4,040,847	2,346,039	6,386,885
1949	74,414	143,358	1,046,628	164,917	1,211,545	1,592,460	5,187,075	1,647,044	6,834,120
1950	65,728	143,513	931,890	158,912	1,090,802	1,311,274	4,248,297	2,165,233	6,413,530
1951	82,048	142,570	811,579	152,208	963,787	1,938,794	4,582,901	3,101,559	7,684,460
1952	105,769	144,436	959,431	152,284	1,111,715	1,496,631	3,656,919	2,355,226	6,012,145
1953	122,590	152,760	1,098,286	156,903	1,255,189	1,612,059	3,868,812	2,171,784	6,040,596
1954	105,361	131,192	1,016,672	132,759	1,149,431	1,016,734	2,682,762	1,905,518	4,588,280
1955	135,290	158,662	1,107,530	159,765	1,267,295	1,995,528	4,284,902	2,942,968	7,227,870
1956	113,200	171,723	786,608	172,985	959,593	1,386,700	2,989,521	4,129,555	7,119,077
1957	113,036	247,998	788,666	248,317	1,036,983	1,254,700	2,575,809	2,978,209	5,554,018
1958	141,263	237,172	791,165	237,930	1,029,095	1,483,262	2,713,427	3,943,119	6,656,546
1959	120,121	262,788	680,189	262,913	943,102	1,249,259	2,445,203	3,969,224	6,414,426
1960	111,235	286,845	641,093	287,265	928,358	1,479,426	2,831,174	4,450,571	7,281,744
1961	131,620	348,193	680,878	348,602	1,029,480	1,408,334	2,469,875	4,441,088	6,910,963
1962	137,634	385,650	627,283	385,962	1,013,245	1,362,577	2,451,075	5,593,485	8,044,560
1963	166,726	385,982	692,487	386,133	1,078,620	1,959,031	3,439,311	6,176,920	9,616,231
1964	183,973	437,303	742,923	437,443	1,180,366	2,327,258	3,942,029	7,019,973	10,962,002
1965	159,524	393,231	597,866	393,231	991,097	1,659,050	2,877,897	5,898,465	8,776,362
1966	149,408	482,932	724,464	483,142	1,207,606	2,285,942	3,985,556	8,219,084	12,204,640
1967	140,083	542,647	611,536	542,822	1,154,358	1,603,950	2,596,393	5,430,845	8,027,238
1968	164,319	593,633	705,943	593,673	1,299,616	2,366,194	3,348,373	5,729,358	9,077,731
1969	138,836	553,181	686,296	553,275	1,239,571	2,457,397	4,161,541	7,886,989	12,048,530
1970	169,397	546,465	810,713	546,844	1,357,557	2,193,691	3,631,983	5,552,305	9,184,288

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

ROYALTY ON WILD PELTS

Year	Beaver Export	Beaver Tanners	Wild Export	Wild Tanners	Total Export	Total Tanners	Beaver	Wild Export	Wild Tanners	Total
1947	45,847	61	667,657	208,546	762,998	214,636	\$ 91,816	\$188,561	\$23,229	\$211,790
1948	20,083	19	714,941	286,308	862,700	294,017	.....	.....	.....	.....
1949	74,253	161	784,276	262,352	940,378	271,167	148,828	238,974	27,156	266,130
1950	65,600	128	758,371	173,519	909,079	181,723	131,456	219,949	18,075	238,024
1951	81,845	203	665,366	146,213	814,447	149,340	164,096	241,937	15,493	257,430
1952	105,503	266	773,562	185,869	922,868	188,847	211,538	300,321	19,556	319,877
1953	122,287	303	848,398	249,888	998,713	256,476	185,586	300,799	26,314	327,113
1954	105,071	290	780,147	236,525	908,990	240,441	158,071	268,823	25,430	294,253
1955	134,729	561	788,052	319,478	941,348	325,947	136,563	242,490	34,794	277,284
1956	111,663	537	604,077	182,531	769,027	190,566	113,200	196,956	20,767	217,723
1957	111,278	1,758	559,150	229,516	788,370	248,613	113,036	194,340	27,596	221,936
1958	140,930	333	657,062	134,103	879,779	149,779	141,263	224,921	9,407	234,328
1959	119,684	437	586,768	93,421	830,538	112,564	120,121	195,586	8,353	203,939
1960	109,757	1,478	588,120	82,973	821,984	106,374	111,235	188,562	6,950	195,512
1961	130,167	1,453	608,949	71,929	918,212	111,268	131,620	224,237	9,017	233,254
1962	135,949	1,685	569,249	58,034	897,511	115,734	137,634	217,870	5,999	223,869
1963	164,293	2,433	623,347	69,140	959,404	119,216	166,726	242,652	6,981	249,633
1964	135,791	48,182	530,863	212,060	903,688	276,678	183,973	198,473	72,874	271,347
1965	116,901	42,623	405,967	191,899	728,415	262,682	159,524	166,325	64,339	230,664
1966	99,719	49,689	430,514	293,950	835,687	371,919	149,408	146,612	77,732	224,344
1967	92,676	44,407	364,475	247,061	827,995	326,363	140,083	135,015	73,449	208,464
1968	105,703	58,616	397,170	308,773	866,491	433,125	164,319	144,588	83,882	228,470
1969	88,888	49,948	476,893	209,403	938,616	300,955	88,888	136,675	78,428	215,103
1970	80,978	88,419	334,698	476,015	800,691	556,866	80,978	119,200	132,395	251,595

BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

WOLF BOUNTY

Year	12 mts. and over \$10 each	Under 12 mts. \$5 each	Total Amount Paid	Timber	Brush	Pups	Total	Total Amount Paid
1947	959	73	\$9,735	1,440	1,182	42	2,664	\$59,275
1948	509	17	5,095	1,515	961	74	2,540	54,923
1949	592	67	6,035	1,581	1,062	84	2,727	57,977
1950	803	122	8,530	1,613	890	41	2,544	56,927
1951	453	47	4,645	1,405	651	44	2,100	46,457
1952	408	29	4,180	1,198	634	63	1,895	41,803
1953	662	57	6,805	1,313	739	68	2,120	46,550
1954	947	145	10,000	1,101	720	70	1,891	41,853
1955	1,126	99	11,590	1,075	620	41	1,736	38,703
1956	614	50	6,210	1,088	559	28	1,675	37,550
1957	611	50	6,225	1,195	486	71	1,752	38,950
1958	1,568	300	16,930	1,047	574	34	1,655	37,255
1959	1,084	116	11,145	1,169	606	49	1,824	41,589
1960	697	139	7,590	939	528	42	1,509	33,619
1961	401	46	4,150	1,320	761	57	2,138	48,766
1962	*328	*33	*3,405	1,136	794	68	1,998	44,510
1963	(Payment ended on July 27, 1961)			1,276	691	64	2,031	44,664
1964	....	....	.....	1,342	862	61	2,265	44,999
1965	....	....	.....	1,638	1,052	63	2,753	59,997
1966	....	....	.....	1,593	1,195	44	2,832	59,937
1967	....	....	.....	1,578	1,277	45	2,900	59,084
1968	....	....	.....	1,644	1,342	81	3,067	61,996
1969	....	....	.....	1,370	1,542	51	2,963	62,025
1970	....	....	.....	1,255	2,047	43	3,345	69,996

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Fox												
Blue.....	57	83	94	97	57	48	46	96	84	95	71	37
Cross.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
Pearl Platinum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Platinum.....	186	232	280	367	355	270	256	241	263	261	255	236
*Other Fox.....	12	13	14	9	.....	.....	7	6	2	5	10	6
* Silver.....	150	178	292	212	130	123	106	110	140	177	162	211
White Marked.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Fox.....	405	506	680	685	543	442	415	453	489	538	498	490
Mink.....	119,299	130,294	142,600	154,626	164,901	178,814	188,005	204,073	219,124	234,369	208,264	209,538
Beaver.....	1	1	1	1	.....	2	.....	.....	.....	.....	.....	.....
Fisher.....	8	2	2	1	1	4	4	4	3	.....	.....	.....
Lynx.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marten.....	76	89	96	97	78	33	33	15	23	8	9	8
Muskrat.....	47	.....	.....	.....	.....	10	52	.....	.....	.....	.....	.....
Raccoon.....	33	24	22	20	13	8	2	1	.....	.....	.....	4
Skunk.....	3	3	3	3	4	2	1	1	.....	.....	.....	.....
N.O. OF FARMS.....	507	495	495	508	500	505	499	494	491	477	417	385

*Includes Standard and White Marked.

**Includes Cross, Red and White

GAME BIRD HUNTING PRESERVES in year ending March 31, 1970

PHEASANTS

Districts	No. of Pre- serves	No. of Hunters	Birds Purchased	Birds Released	Birds Harvested	Stock on Hand
Lake Erie.....	15	2,120	16,913	15,769	11,712	288
Lake Simcoe.....	3	2,784	10,096	8,792	6,378	265
Lindsay.....	5	698	4,600	3,657	2,822	1,666
Tweed.....	2	362	5,075	5,075	2,730	...
Kemptville.....	1	29	...	275	208	130
Sault Ste. Marie.....	1	58	360	360	309	...

28

Totals.....	27	6,051	37,044	33,928	24,159	2,349
-------------	----	-------	--------	--------	--------	-------

BOBWHITE QUAIL

Lake Erie.....	3	140	995	745	367	...
Lake Simcoe.....	3	2,784	740	278	153	1
Tweed.....	2	362	3,000	3,000	500	...
Kemptville.....	1	29	...	30	25	45
Totals.....	9	3,315	4,735	4,053	1,045	46

COMMERCIAL GAME BIRD PROPAGATORS in year ending March 31st, 1970

PHEASANTS

Districts	No. of Farms	Purchases			Sales				Stock on Hand
		Eggs	Chicks Poults	Adults	Dressed Birds	Eggs	Chicks Poults	Live Adults	
Lake Erie.....	29	500	28,395	7,690	2,908	2,830	46,184	9,588	2,209
Lake Simcoe.....	21	2,198	10,812	1,338	13,518	2,757	1,969	5,388	2,215
Lindsay.....	11	...	1,600	391	1,510	16	1,050	9,444	1,335
Tweed.....	2	...	234	...	3,000	...	...	110	388
Kemptville.....	9	...	330	...	1,684	...	...	200	240
Parry Sound.....	2	...	201	2	50	...	100	...	36
Sault Ste. Marie.....	1	...	800	...	169	...	...	360	...
Totals.....	75	2,698	42,372	9,421	22,839	5,603	49,303	25,090	6,423

BOBWHITE QUAIL

Lake Huron.....	7	725	600	287	...	...	...	525	4
Lake Erie.....	21	...	...	450	...	...	...	418	26
Totals.....	28	725	600	737	...	...	...	943	30

HUNTING LICENCES SOLD

Year	DEER			MOOSE			BEAR+		SMALL GAME	
	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	Resident	Non-Res.
1946	62,913	7,877	70,790	1,694	1,230	2,924	...	783	155,309	4,666
1947	67,299	11,193	78,492	2,270	1,516	3,786	...	548	171,098	3,620
1948	73,700	11,300	85,000	3,000	1,700	4,700	...	1,600	186,060	3,200
1949	76,274	12,050	88,324	*	*	*	...	1,176	205,706	3,300
1950	84,380	12,440	96,820	*	*	*	...	1,127	213,594	5,620
1951	89,290	10,400	99,690	1,400	*	1,400	...	1,120	240,040	4,960
1952	96,790	** 870	97,660	3,620	*	3,620	...	3,060	268,444	5,400
1953	92,785	8,300	101,085	5,196	637	5,833	...	2,490	256,341	3,810
1954	92,800	10,400	103,200	7,500	730	8,230	...	1,520	284,000	5,300
1955	105,150	8,050	113,200	9,000	990	9,990	...	1,750	318,000	6,010
1956	98,079	7,426	105,505	13,441	1,521	14,962	...	2,031	316,778	5,905
1957	106,620	6,743	113,363	17,367	1,890	19,257	...	2,703	341,838	6,092
1958	109,322	6,044	115,366	22,688	2,362	25,050	...	4,803	377,589	5,503
1959	102,960	5,988	109,948	26,349	3,431	29,780	...	4,089	378,666	6,243
1960	114,400	6,004	120,404	31,948	4,212	36,160	...	3,828	383,205	7,286
1961	106,160	5,788	111,948	38,977	5,775	44,752	...	3,607	377,047	7,103
1962	121,735	5,913	127,648	39,470	6,675	46,145	307	1,922	383,150	7,538
1963	114,510	6,351	120,861	43,144	7,261	50,405	354	2,038	416,019	7,685
1964	124,182	6,562	130,744	40,188	7,639	47,827	414	2,208	399,521	7,998
1965	130,636	7,242	137,878	60,281	10,057	70,338	583	2,697	424,806	9,551
1966	137,429	8,858	146,287	48,498	12,698	61,196	813	3,960	435,202	12,248
1967	139,253	9,001	148,254	51,602	12,875	64,477	964	4,924	440,378	12,487
1968	102,579	7,672	110,251	51,795	14,923	66,718	1,142	8,394	384,867	13,281
1969	97,659	6,572	104,231	49,867	15,103	64,970	1,359	9,448	360,192	12,900

* Closed Season. **U. S. A. ban on importation of cloven-hoofed animals.

+Includes a few non-resident wolf licences.

TOTAL LICENCES SOLD

Year	ANGLING		HUNTING		
	Resident	Non-Res.	Resident	Non-Res.	Total
1944	.....	89,291	132,376	5,168	137,544
1945	.....	126,367	186,680	9,451	196,131
1946	.....	171,400	219,916	14,556	234,472
1947	.....	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712
1965	12,982	533,154	616,306	29,547	645,853
1966	13,249	571,453	621,942	37,764	659,706
1967	13,566	578,811	632,197	39,287	671,484
1968	83,247	615,611	540,383	44,270	584,653
1969	603,670*	630,375	509,077	44,023	553,100

*Resident Angling Licence introduced January 1, 1969.

FISH DISTRIBUTED FROM ONTARIO HATCHERIES IN 1969

Key: EE - Eyed Eggs Fy - Fry	HATCHERY	BROOK TROUT	Fig - Fingerlings Yg - Yearlings		II - Two Year Olds Ax - Adults				MASKINONGE	SPLAKE
			LAKE TROUT	RAINBOW TROUT	LARGEMOUTH BASS	SMALLMOUTH BASS				
	CHATSWORTH	135,108 Yg ...	52,000 Yg 1,410 II	74,380 Yg ...	...	...	...	...	...	30,828 Yg ...
	COBRINGTON	45,970 Yg	...	9,300 Yg	...	...	...	...	...	...
	DEER LAKE	...	...	...	...	...	...	2,957,600 Fy 33,350 Fg	...	...
		13,500 Yg	...	106,950 Yg	...	...	...	...	...	...
	DORION	442,500 Fg 47,540 Yg 2,920 Ax	24,300 Yg	7,000 Fg 22,200 Yg...	...	...	...	...	...	...
	
	HILL LAKE	50,750 Fg 280,000 Yg 32,775 II 1,610 Ax	83,200 Yg	18,000 Fy 13,500 Fg 30,500 Yg...	...	...	...	...	...	...
	
	MIDHURST	69,200 Yg	24,560 Yg	...	...	...	...	...	...	...
	NORMANDALE	...	...	20,000 EE 37,750 Fy 81,293 Yg 20,054 II 41 Ax	...	...	...	...	...	...
		8,030 Yg	...	...	...	...	...	...	...	...
	
	
	NORTH BAY	...	...	30,000 Fy	...	...	...	...	...	...
	PENWYDGE	30,800 Fg 161,399 Yg	...	...	...	...	...	...	...	...

SANDFIELD	...	...	...	...	86,000 Fy	...	...
	...	...	...	...	...	6,500 Fg	...
	147,900 Yg	...	...	...	...	...	...
	...	...	...	...	110 Ax	...	...
SKELTON LAKE	...	...	...	...	38,000 Fg	...	...
	116,000 Yg	39,000 Yg	200 Yg	...	...	...	...
	...	10,125 II	300 II	...	...	...	...
TARENTORUS	110,050 Yg	384,000 Yg	54,000 Yg	...	...	...	8,274 Yg
	...	3,380 II	...	...	...	...	...
	...	...	...	...	...	...	431 Ax
WESTPORT	...	...	...	9,000 Fy	200,000 Fy	...	...
	...	...	...	56,390 Fg	...	...	...
	9,000 Yg	40,000 Yg	1,993 Yg	...	...	...	...
WHITE LAKE	200,950 Yg	193,250 Yg	54,000 Yg	...	...	...	...
WIARTON	...	...	23,550 Fg	...	...	...	...

23 In addition to above:

- 14,975 brown trout experimental yearlings from Chatsworth TRS for University of Guelph.
- 156,886 coho salmon smolts from Chatsworth TRS for experimental use in Lakes Ontario and Superior.
- 2,384 Aurora trout fingerlings from Hill Lake TRS - experimental.
- 15 adult lake sturgeon shipped from Westport PS to Moscow, U.S.S.R.
- 10,750,000 eyed eggs, 1,300,000 fry and 14,400 fingerling yellow pickerel from White Lake PS for introductory and experimental management purposes.
- 572,025 fry and 63,000 fall fingerling kokanee salmon from Wiarton TS and Glenora RS for experimental introductions into Lake Huron and Ontario.
- 2,000,000 brook trout eyed eggs to British Columbia, 100,000 to Manitoba, 50,000 to Ecuador from Dorion TRS
- 50,000 maskinonge fry to Manitoba from Deer Lake PS
- 25,000 splake yearling from Tarentorus TRS planted into Lake Ontario by Glenora RS

DISTRIBUTION OF HATCHERY FISH ----Number of Fish Planted in 000's

SPECIES	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
BASS, Largemouth											
Fry.....	45	231	...	55	45	112	81	42	68	60	9
Fingerling.....	46	30	25	112	93	91	108	147	75	50	56
Yearling and Adult..	...	...	...	...	...	...	...	...	...	2	...
BASS, Smallmouth											
Fry.....	89	156	230	147	134	52	58	36	98	38	86
Fingerling.....	227	178	270	177	288	239	231	216	212	91	114
Yearling and Adult..	...	1	1	...	...	...	...	...	...	...	...
HERRING											
Eyed Egg.....	1,068	...	...	...	...	...	...	1,150	7,030	...	...
Fry.....	...	50	...	...	...	...	...	...	2,000	...	...
KOKANEE											
Eyed Egg.....	...	...	...	...	...	...	683	923	310	...	...
Fry.....	...	...	...	...	...	...	1,609	943	385	413	572
Fingerling.....	...	...	...	...	...	...	288	...	211	59	63
MASKINONGE											
Fry.....	4,070	3,390	2,833	2,970	1,870	1,530	1,850	1,303	2,650	2,400	2,958
Fingerling.....	50	51	75	24	27	26	25	...	12	27	33
Adult.....	...	...	...	...	...	...	...	...	...	...	...
PICKEREL, Yellow											
Eyed Egg.....	30,875	53,790	27,065	20,500	7,200	14,000	15,600	10,000	13,055	6,240	10,750
Fry.....	3,040	3,600	...	8,994	11,440	1,353	56	8,232	28,000	189	1,300
Fingerling.....	...	67	...	201	217	...	...	...	42	5	14
Adult.....	...	...	...	...	...	...	...	...	...	...	...
SPLAKE											
Egg.....	...	...	...	...	...	...	...	...	20	...	...
Fingerling.....	...	...	...	...	...	...	...	...	1	2	...
Yearling.....	135	13	97	112	114	88	21	69	119	36	64
2 Year.....	1	...	6	...	2	12	16	...	10	...	...
Adult.....	...	...	...	...	...	...	...	...	...	1	1

COMMERCIAL FISHING EQUIPMENT

No. of Licences			No. of Boats		Number of Nets				No. of		No. of		Total Value \$000's
Gill Nets	Total	No. of Men	40ft. & Over	Under 40 ft.	Gill Nets 000's yds	Pound	Trap*	Hoop	Freezers & Ice Houses	Wharves and Piers	Sheds		
1947	.....	2,421	4,026	112	2,009	8,858	1,135	...	1,240	486	400	...	5,147
1948	.....	.....	3,736	111	1,930	8,981	1,152	...	1,324	477	412	...	5,716
1949	1,071	2,675	3,930	123	2,039	9,144	1,182	...	1,411	456	395	...	5,988
1950	1,021	2,722	3,886	116	1,966	9,064	1,214	...	1,439	477	425	...	6,679
1951	1,063	2,894	3,833	126	1,981	8,944	1,204	...	1,483	476	416	...	6,985
1952	1,124	3,115	3,878	196	1,682	9,057	1,127	359	1,564	462	474	727	8,328
1953	1,098	3,098	3,807	215	1,538	9,312	1,078	549	1,570	493	487	827	8,839
1954	1,045	3,200	3,657	214	1,407	9,248	878	709	1,578	482	456	778	9,176
1955	1,066	3,379	3,483	224	1,338	9,304	787	822	1,545	442	447	759	9,226
1956	1,032	3,470	3,135	202	1,320	8,719	784	763	1,487	426	437	754	8,891
1957	1,038	3,684	3,066	211	1,321	8,618	671	804	1,462	412	404	709	8,676
1958	1,100	4,029	3,224	212	1,270	8,898	713	731	1,441	464	425	727	9,215
1959	1,117	4,170	3,527	234	1,680	9,718	723	739	1,812	564	491	884	10,557
1960	1,089	4,176	3,409	238	1,740	9,523	744	661	1,861	558	516	839	10,124
1961	1,063	4,563	3,059	223	1,541	9,293	672	631	1,778	521	476	773	10,377
1962	1,060	4,554	2,993	218	1,533	9,344	796	597	1,767	525	497	726	9,996
1963	1,075	4,679	3,271	224	1,718	9,200	745	694	1,943	511	439	747	10,264
1964	1,088	4,786	2,952	229	1,587	9,110	873	512	1,889	549	493	731	10,131
1965	1,072	4,647	2,544	223	1,660	9,256	866	521	2,002	492	459	681	9,972
1966	1,064	5,316	2,445	229	1,419	9,489	764	493	1,820	465	431	663	10,327
1967	1,033	5,407	2,197	220	1,406	9,810	715	565	2,146	434	429	650	10,558
1968	1,017	5,472	2,044	217	1,313	8,888	734	552	1,915	430	403	651	10,824
1969	1,005	5,627	1,959	207	1,190	8,419	790	479	1,740	402	382	628	10,774

*Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in 000' s lbs and \$000' s

SPECIES	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	Value 1969
Bass, Rock; Crappies....	127	119	137	177	206	209	271	249	276	186	\$ 43
Bass, White.....	3,305	3,413	2,491	1,991	1,836	2,733	1,805	855	819	925	293
Bullheads.....	467	363	423	740	513	451	348	342	395	473	90
Carp.....	1,124	1,312	1,124	1,323	938	872	937	928	987	1,046	100
Catfish.....	321	244	314	300	287	243	273	250	255	220	67
Caviar.....	2	2	2	1	2	2	1	1	...	...	....
Chub; Tullibee.....	1,865	2,993	2,825	2,329	2,035	1,892	1,265	1,165	681	461	52
Eels.....	130	127	128	175	250	194	150	141	181	175	44
Gold Eye.....	33	24	34	20	28	19	7	11	2	...	....
Herring; Cisco.....	2,227	1,853	2,630	2,374	1,993	1,603	1,184	1,935	2,985	2,780	216
Ling; Burbot.....	614	638	623	615	600	404	343	487	382	416	4
Menominee, Pilots.....	63	22	31	20	70	66	58	41	56	57	8
Perch.....	12,774	18,628	21,659	18,725	9,635	19,465	21,151	22,731	24,969	30,506	3,317
Pickrel, Blue.....	5	2	...	...	...	...	...	...	...	...	....
Yellow Pickerel.....	3,702	3,382	3,708	5,108	3,678	3,241	3,987	3,238	2,765	2,050	999
Pike, Northern.....	966	990	976	990	1,134	1,099	1,005	952	956	871	99
Saugers.....	85	105	131	136	141	76	59	82	70	51	13
Sheepshead.....	1,539	1,201	1,117	1,503	831	990	1,058	666	802	451	14
Sme It.....	11,666	13,065	19,314	10,705	12,887	11,917	16,056	12,660	12,490	15,226	561
Sturgeon.....	184	195	133	132	98	94	86	76	79	90	120
Suckers.....	1,616	1,595	1,540	1,650	1,450	1,102	1,306	1,297	1,278	1,274	26
Sunfish.....	286	271	257	358	358	249	253	359	400	413	60
Trout, Lake.....	286	181	208	254	224	178	174	302	301	282	131
Whitefish.....	3,845	3,907	3,640	3,357	3,229	3,236	2,812	2,625	2,906	2,957	1,086
Miscellaneous.....	163	323	337	1,359	1,086	2,154	1,754	1,513	1,670	2,293	35
TOTAL.....	47,397	54,954	63,784	54,342	43,510	52,489	56,344	52,905	55,705	63,203	\$7,378

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North Channel	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
1946	2,059	18,925	493	954	1,292	290	3,589	4,719	679	33,000	5,597
1947	2,002	12,334	466	1,107	666	267	2,830	4,802	448	24,922	4,803
1948	2,046	14,926	437	1,440	913	445	3,371	4,629	735	28,942	5,735
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607	34,061	5,497
1950	2,219	16,866	469	1,301	2,794	668	2,655	5,229	555	32,756	6,252
1951	2,411	13,114	389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
1952	2,281	17,417	792	1,736	5,359	433	3,127	6,221	678	38,044	7,417
1953	2,059	23,389	983	1,396	6,876	458	2,771	6,080	827	44,839	7,037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	6,080	712	47,679	7,013
1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615	45,636	6,783
1956	2,627	44,682	1,029	1,463	1,113	187	2,145	5,878	593	59,717	7,928
1957	1,997	37,105	1,113	988	664	191	2,797	5,764	493	51,113	7,047
1958	2,098	30,751	907	2,023	407	255	2,871	7,316	544	47,172	7,274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4,866
1960	1,958	29,219	659	3,489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341
1963	2,046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504
1964	2,015	25,381	946	3,018	735	214	2,682	7,938	582	43,510	5,230
1965	2,647	35,096	886	2,286	993	289	2,270	7,584	438	52,489	6,404
1966	1,625	41,426	939	1,958	751	209	1,846	7,010	580	56,344	5,995
1967	1,832	37,770	810	1,744	715	207	2,568	6,625	634	52,905	5,927
1968	2,009	39,415	1,121	1,455	728	247	3,365	6,811	554	55,705	5,968
1969	2,270	48,026	919	1,436	581	313	2,951	6,078	629	63,203	7,378

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Year	Bullhead & Catfish	Carp	Eels	Lake Herring	Lake Trout	Smelt	White- fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	288	197	35	413	102	...	398	45	581	2,059	\$ 317
1947	301	119	33	573	64	...	358	40	514	2,002	312
1948	433	208	40	480	42	...	237	30	575	2,045	290
1949	498	181	46	324	22	...	219	28	678	2,006	258
1950	520	242	29	225	15	...	419	34	735	2,219	309
1951	470	217	48	197	40	...	385	90	963	2,410	424
1952	478	253	65	111	32	225	417	103	597	2,281	393
1953	417	371	57	73	14	282	207	75	563	2,059	284
1954	376	309	78	70	7	265	228	114	467	1,914	268
1955	386	318	68	29	4	238	340	124	436	1,943	313
1956	440	616	50	38	2	269	593	121	498	2,627	429
1957	394	314	100	84	1	177	301	118	508	1,997	328
1958	353	323	129	53	1	295	340	166	438	2,098	406
1959	311	536	136	52	1	208	335	151	321	2,051	393
1960	280	310	128	74	1	188	397	126	454	1,958	355
1961	199	314	125	51	3	223	572	125	497	2,109	397
1962	203	248	125	27	1	202	355	106	599	1,750	331
1963	229	417	169	38	1	171	354	68	599	2,046	348
1964	167	270	246	38	...	128	125	66	975	2,015	285
1965	150	314	189	23	...	202	107	46	1,616	2,647	353
1966	123	302	143	36	...	141	57	44	779	1,625	220
1967	127	392	136	59	...	155	48	26	889	1,832	243
1968	169	412	173	40	...	168	77	22	948	2,009	284
1969	240	541	169	40	...	146	81	18	1,035	2,270	330

Yield of Ontario Fisheries by Species -- **LAKE ERIE** --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	1,909	9,525	2,418	.....	.....	.....	1,932	739	2,402	18,925	\$3,089
1947	1,646	2,484	2,252	.....	.....	.....	2,726	793	2,433	12,334	2,676
1948	5,742	603	1,939	.....	.....	.....	3,800	799	2,043	14,926	3,025
1949	9,784	393	2,279	.....	.....	.....	3,620	849	2,168	19,093	2,950
1950	8,611	645	2,166	.....	.....	.....	1,390	1,252	2,802	16,866	3,149
1951	3,914	323	2,758	.....	.....	.....	1,130	1,522	3,497	13,144	2,892
1952	7,267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957	23,389	3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058	28,912	3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896	30,285	3,842
1956	12,002	194	11,573	713	3,694	5,715	542	9,275	974	44,682	5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088	37,105	4,848
1958	824	62	15,410	1,727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857	31,597	2,200
1960	4	6	11,654	1,468	11,467	3,255	21	619	725	29,219	2,060
1961	1	3	17,284	1,116	12,835	3,334	9	269	847	35,698	2,507
1962	.....	2	20,859	1,037	19,108	2,349	10	284	818	44,465	2,353
1963	.....	2	17,963	1,412	10,524	1,855	11	1,875	1,659	35,301	2,530
1964	.....	2	8,351	752	12,735	1,723	3	599	1,216	25,381	2,377
1965	.....	...	18,603	898	11,711	2,611	...	346	927	35,096	3,319
1966	.....	...	20,698	940	15,914	1,757	6	991	1,120	41,426	3,105
1967	.....	...	22,087	494	12,501	822	...	747	1,119	37,770	3,340
1968	.....	...	24,435	651	12,223	751	1	328	1,026	39,415	2,974
1969	.....	...	29,802	339	15,076	875	1	193	1,740	48,026	4,244

Yield of Ontario Fisheries by Species -- LAKE HURON (PROPER) -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Yellow Perch	Sturgeon & Caviar	Suckers	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	89	104	30	336	7	...	158	122	108	954	\$ 151
1947	113	217	7	219	8	...	292	171	80	1,107	211
1948	188	125	10	147	6	...	538	225	201	1,440	348
1949	207	135	3	231	8	...	243	205	228	1,260	246
1950	129	128	.....	359	8	...	226	240	123	1,213	238
1951	109	116	.....	431	8	...	225	254	164	1,307	318
1952	88	107	.....	362	6	84	284	218	55	1,204	267
1953	280	71	.....	496	5	50	180	307	52	1,441	277
1954	454	44	.....	329	7	77	271	231	79	1,492	326
1955	417	54	.....	323	6	111	258	211	89	1,469	324
1956	461	39	.....	155	11	86	216	333	162	1,463	287
1957	321	20	.....	65	46	61	89	266	120	988	290
1958	624	19	.....	719	26	70	156	245	164	2,023	433
1959	1,082	13	.....	236	12	75	229	331	225	2,203	514
1960	1,302	17	.....	859	6	65	827	230	183	3,489	908
1961	2,342	17	.....	1,072	9	193	812	217	97	4,759	1,204
1962	2,180	25	.....	583	7	73	349	263	95	3,575	802
1963	1,669	8	1	539	6	77	269	225	154	2,948	651
1964	1,442	9	1	602	6	98	320	286	254	3,018	711
1965	1,083	13	1	167	4	62	407	245	304	2,286	627
1966	653	4	.....	152	3	96	348	218	484	1,958	466
1967	527	5	2	149	4	141	381	185	350	1,744	464
1968	263	5	4	71	6	121	356	325	303	1,454	509
1969	86	2	.....	141	4	95	493	194	421	1,436	511

Yield of Ontario Fisheries By Species -LAKE HURON (NORTH CHANNEL)- in 000's lbs. and 000's Dollars

Year	Lake Trout	Northern Pike	Yellow Perch	Sturgeon	Suckers	Whitefish	Yellow Pickerel	Others	Total Catch	Total Value
1946	6	81	2	7	...	25	28	141	290	\$ 42
1947	3	43	2	4	...	77	43	95	267	41
1948	23	42	1	7	...	147	80	145	445	85
1949	53	30	5	7	...	273	63	119	550	112
1950	71	32	12	7	...	310	72	164	668	142
1951	86	28	6	5	...	202	56	165	548	130
1952	65	38	14	4	114	116	52	20	433	84
1953	23	51	17	15	140	134	51	27	458	88
1954	14	69	5	31	104	95	45	32	395	64
1955	2	36	2	15	70	57	38	24	244	56
1956	1	35	2	11	35	57	32	15	188	50
1957	...	27	1	7	46	63	29	19	192	48
1958	...	29	4	7	45	128	33	9	255	84
1959	...	16	4	5	52	54	29	11	171	68
1960	...	22	9	7	74	35	41	18	206	57
1961	...	45	14	8	27	119	13	20	246	74
1962	...	30	31	9	42	104	20	16	252	68
1963	...	34	19	11	35	34	29	10	172	49
1964	...	25	29	9	36	93	15	7	214	65
1965	...	19	88	11	46	37	14	74	289	61
1966	...	21	16	16	40	75	19	22	209	74
1967	...	25	9	13	38	79	21	22	207	70
1968	...	16	14	15	56	99	17	30	247	85
1969	...	11	9	11	47	160	19	56	313	125

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Year	Carp	Chub	Lake Herring	Lake Trout	Northern Pike	Sturgeon	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	46	25	21	696	25	1	246	44	188	1,292	\$ 332
1947	21	21	15	368	7	...	87	21	126	666	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	1	805	206	66	1,563	465
1950	35	72	63	351	12	1	2,189	133	56	2,912	800
1951	35	74	26	480	8	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	1	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	60	4,317	1,450
1955	110	64	12	67	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	5	670	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	90	29	32	362	98
1959	22	3	3	1	6	3	49	62	52	201	61
1960	37	29	2	1	4	2	57	40	47	219	61
1961	13	31	1	1	6	1	96	33	19	201	61
1962	21	82	1	.....	10	2	130	61	41	348	95
1963	66	104	1	.....	12	2	207	99	64	555	164
1964	24	121	2	.....	11	3	232	93	249	735	190
1965	10	409	2	.....	11	2	171	72	316	993	234
1966	21	286	3	.....	7	1	157	41	235	751	171
1967	38	227	5	.....	16	2	148	61	218	715	167
1968	21	180	17	.....	11	...	286	61	152	728	222
1969	27	156	11	.....	10	1	196	74	106	581	184

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Menominee	Sauger	Sturgeon	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	33	1,511	1,531	...	...	2	275	120	117	3,589	\$ 639
1947	33	1,017	1,286	...	...	1	246	155	92	2,830	503
1948	30	1,295	1,447	...	...	1	306	116	176	3,371	675
1949	12	1,255	1,356	...	...	1	277	125	162	3,188	561
1950	29	505	1,506	...	...	1	341	145	128	2,655	626
1951	45	763	1,273	...	...	2	341	200	227	2,851	641
1952	94	993	1,389	16	124	2	268	163	78	3,127	661
1953	88	745	1,371	8	38	4	282	158	77	2,771	590
1954	91	920	1,266	6	72	5	328	135	67	2,890	565
1955	312	708	1,003	6	49	6	254	130	72	2,540	523
1956	112	821	527	12	69	3	303	186	112	2,145	389
1957	148	1,696	324	12	57	6	285	217	52	2,797	344
1958	125	1,744	366	11	100	6	287	164	68	2,871	376
1959	117	2,833	238	17	68	5	210	271	91	3,850	377
1960	103	2,117	122	54	19	11	99	249	54	2,828	270
1961	81	1,777	48	7	38	8	119	227	48	2,353	214
1962	69	2,570	70	10	52	3	148	174	50	3,146	239
1963	81	2,319	112	11	63	2	161	167	57	2,973	271
1964	42	1,935	106	56	59	1	133	216	134	2,682	249
1965	63	1,553	102	18	18	2	135	291	88	2,270	283
1966	12	1,135	108	8	8	2	134	377	62	1,846	327
1967	8	1,854	202	6	22	3	150	274	49	2,568	351
1968	5	2,649	193	21	17	2	212	119	147	3,365	403
1969	8	2,396	202	19	12	3	211	24	76	2,951	403

Yield of Ontario Fisheries by Species -- NORTHERN INLAND -- in 000's lbs and \$000's

Year	Goldeye	Lake Trout	Northern Pike	Sauger	Sturgeon & Caviar	Tullibee	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	...	148	744	..	146	162	1,417	1,621	481	4,719	\$ 896
1947	...	151	898	11	136	138	1,156	1,688	624	4,802	777
1948	28	144	806	6	145	139	1,268	1,636	457	4,629	905
1949	50	94	909	..	139	169	1,627	1,706	560	5,254	764
1950	84	106	784	..	122	170	1,738	1,597	628	5,229	881
1951	114	110	915	28	99	210	1,733	1,801	718	5,728	1,035
1952	102	172	965	31	137	241	1,759	1,847	967	6,221	1,072
1953	34	133	831	48	105	329	1,604	1,606	1,390	6,080	795
1954	87	120	1,008	37	81	243	1,674	1,568	1,262	6,080	789
1955	6	110	824	44	71	192	1,497	1,437	1,446	5,627	732
1956	84	62	773	46	71	274	1,643	1,593	1,332	5,878	823
1957	31	153	820	29	83	184	1,658	1,572	1,234	5,764	815
1958	22	244	923	58	149	411	1,855	2,048	1,606	7,316	1,039
1959	15	282	923	40	114	373	2,203	2,323	1,344	7,617	1,090
1960	33	161	878	58	121	430	2,409	2,258	1,886	8,234	1,035
1961	24	129	842	61	119	539	2,180	2,262	1,810	7,966	1,019
1962	34	137	850	78	80	494	2,544	2,539	1,816	8,572	1,171
1963	20	140	887	72	81	475	2,320	2,315	2,130	8,440	1,170
1964	28	117	1,033	78	58	430	2,324	2,047	1,823	7,938	1,047
1965	19	74	1,029	58	55	336	2,378	1,954	1,681	7,584	1,230
1966	7	66	935	51	44	315	1,976	2,048	1,568	7,010	1,314
1967	11	98	863	57	25	402	1,785	1,739	1,645	6,625	1,002
1968	2	103	863	51	32	232	1,861	1,666	2,001	6,811	1,136
1969	...	80	787	38	42	211	1,805	1,200	1,914	6,077	1,149

Yield of Ontario Fisheries By Species - SOUTHERN INLAND WATERS - in 000's pounds & 000's Dollars

Year	Bullhead & Catfish	Carp	Lake Herring	Northern Pike	White Perch	Yellow Perch	Sturgeon	Whitefish	Others	Total Catch	Total Value
1946	159	193	...	7	...	5	...	...	315	679	\$ 71
1947	155	100	...	6	...	4	...	...	183	448	48
1948	251	117	...	4	...	4	...	...	357	734	84
1949	203	124	...	2	...	3	...	...	268	607	74
1950	208	137	...	...	...	4	3	...	204	556	62
1951	201	207	...	...	...	5	25	...	269	707	114
1952	196	221	...	3	...	1	11	...	246	678	80
1953	261	181	...	5	...	3	35	...	342	827	103
1954	204	212	...	3	...	4	20	...	269	712	75
1955	199	197	...	...	...	2	16	...	201	615	64
1956	175	235	...	1	...	4	...	...	180	593	57
1957	160	129	1	...	...	3	5	4	191	493	55
1958	170	174	...	...	...	6	23	...	319	544	66
1959	119	112	...	...	...	4	18	...	179	432	54
1960	142	276	...	...	...	7	12	...	149	586	58
1961	110	444	...	...	...	17	19	...	156	746	87
1962	141	364	...	4	...	7	8	...	120	644	75
1963	304	337	...	1	...	6	11	...	204	863	102
1964	190	227	...	3	...	10	6	...	147	582	73
1965	185	119	...	1	3	14	6	...	110	438	61
1966	192	150	...	2	2	5	7	60	162	581	80
1967	183	166	...	3	1	7	16	34	224	634	92
1968	210	109	...	3	...	5	9	14	205	554	83
1969	216	131	28	3	1	14	11	9	216	629	101

PROSECUTIONS in years ending March 31st

Year	Seiz- ures	Public Sales	*Total Sales	Convic- tions	Collected Costs	Fines
1947	1,844	\$.....	\$37,202	2,040	\$1,216	\$44,267
1948	.....	4,700	.....	2,880	.....	.....
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872	.....	23,633	2,880	1,387	50,460
1954	2,975	.....	25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236	.....	48,442
1966	2,581	9,604	23,392	2,347	1,042	53,127
1967	2,942	11,235	26,264	2,626	.....	60,658
1968	3,404	13,261	30,599	3,239	1,274	81,420
1969	3,557	19,574	35,879	3,489	**	**
1970	5,129	21,097	39,088	4,648	**	**

*Includes Redemptions.

**Reported directly to the Department of Justice from 1969.

FOREST PROTECTION BRANCH

The first forest protection legislation was placed in the Ontario Statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire". This Act led to the establishment in 1885 of Ontario's first system of fire ranging. This became the first working system of organized forest fire protection in North America.

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the "father of forest protection". His extensive report on forest fire losses on March 30th, 1885, resulted in the establishment of the forest protection system under the Woods and Forests Branch in 1885.

Under this system fire rangers were appointed and placed on licensed Crown Lands with the expenses shared by the Crown and Licensees. In the annual report for 1886, Mr. White stated: "Last year was the first year of an experiment which was found to work in a satisfactory manner to the Department as well as to the licensees .. the net expense to the province was under \$8,000. Mr. White asked for \$8,000. for his new budget.

In 1900 the Act was amended to provide for placing fire rangers on unlicensed Crown Lands at public expense. The amendment also required the appointment of fire rangers on licensed areas whether requested by the licensee or not, one half of the costs to be borne by the Department and one half by the licensee. This was a major step in that all Crown Lands became subject to forest fire regulations.

In 1910 Licensees were assessed full costs of fire ranging on limits. The Crown Timber Act of 1917 established the fire tax, an annual per-acre protection charge on Crown Lands.

Following disastrous fires in 1916, The Forest Fires Prevention Act was amended in 1917 to provide greater control over the use of fire and became the basis of present legislation.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position filled by E.J. Zavitz. In 1924, the Provincial Air Service was established.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively.

T.E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957.

J.M. Whalen was appointed Chief on June 14, 1963.

W.T. Foster was appointed Chief on November 20, 1967.

FOREST PROTECTION BRANCH

Chief: W. T. FOSTER

FOREST PROTECTION SECTION

Supervisor: W. G. Cleaveley

Fire Prevention and Control
Forest Insects and Disease
Communications System

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T. C. Cooke

Aircraft Operation
Aircraft Maintenance
Selection and Development of Equipment

ENGINEERING SERVICES SECTION

Supervisor: S. B. Panting

Engineering, construction and maintenance
of forest access roads, dams, docks, locks,
headquarters buildings and other facilities
Standards, specifications and maintenance
of equipment
Fleet Management
Sign Program

FOREST PROTECTION SECTION

Beginning in 1885 there has been a long record of achievement in forest protection.

In 1917 the process of mechanizing fire control began with the acquisition of four portable fire pumps. A new era in fire detection started with the erection of a number of steel lookout towers in 1922. This same year, aircraft were also used for the first time specifically for detection of fires and transportation of fire fighters.

The first organized radio communication was established in 1927 in the Red Lake area following earlier experimental use at Sudbury in 1924. In 1935 V. H. F. radio equipment was installed in towers. In 1939 several aircraft were fitted with radio. By 1949 the province-wide network was completed with the "key" station at Maple.

The first aircraft water bombing experiments were carried out in 1944 followed by subsequent improvements in 1945, 1950, 1957 and 1966 advancing the technique to its present important application in fire control.

A helicopter was used in 1946 for the first time for forest protection purposes; by 1953 helicopters were in regular use.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

The bad fire years of 1955 and 1961 resulted in modern large scale attack on fires featuring careful co-ordination over wide areas, high mobility of resources and extensive use of aircraft.

In 1962 a comprehensive new fire control training program was established in Ontario, setting new standards in fire fighting efficiency.

Starting in 1964, special Indian Fire fighting crews were organized, trained and stationed at strategic centers.

Experiments in the use of infrared and other electronic fire detection methods were initiated in 1962. In August, 1966, the first actual forest fire was detected by an infrared aerial scanner mounted on a Turbo-Beaver aircraft.

The Forest Protection Section administers forest fire control, pest control and the Department's communications and plant and equipment programmes.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

ESTIMATED FIRE DAMAGE

Year	TIMBER DAMAGE (000's Cu. Ft.)			TIMBER DAMAGE (Crown Dues, Only)			DAMAGE TO REPRODUCTION			TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total		
1951	29,401	188	29,590	\$294,015	\$1,880	\$295,895	\$92,431	\$1,121	\$93,552	\$389,447	\$56,389
1952	1,401	577	1,978	14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,671,857	5,870	2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,868,133	2,118	2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	680	42	722	13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960	21,293	123	21,416	425,860	2,470	428,330	8,357	1,427	9,764	438,094	56,442
1961	1,595,447	750	1,596,196	31,908,935	14,993	31,923,928	62,187	3,687	65,874	31,989,802	152,638
1962	2,440	83	2,523	48,794	1,669	50,462	10,740	13,546	24,285	74,748	99,165
1963	14,907	194	15,101	.....	.....	484,334	.....	.....	222,555	706,888	39,932
1964	10,052	279	10,330	.....	.....	351,130	.....	.....	149,166	500,296	19,792
1965	.....	.....	2,158	.....	.....	235,325	.....	.....	151,525	386,850	254,105
1966	891	15	906	34,221	561	34,782	.....	.....	36,739	71,521	49,457
1967	.....	...	19,400	.....	...	653,209	.....	.....	608,072	1,353,919	87,638
1968	.....	.....	273	.....	...	9,124	.....	.....	40,848	4,174	54,146
1969	.....	.....	2,535	.....	...	101,107	.....	.....	29,026	134,756	4,623

FOREST FIRE SUMMARY

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1917	.....	.....	384,164	1,110	346
1918	.....	.....	30,172	965	31
1919	.....	.....	922,161	1,780	518
1920	.....	.....	358,851	1,287	279
1921	.....	.....	749,534	1,269	591
1922	.....	.....	346,193	1,021	339
1923	.....	.....	2,120,148	1,343	1,579
1924	.....	.....	146,017	851	171
1925	.....	.....	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965	14,995	4,909	19,904	1,218	16

FOREST FIRE SUMMARY (Continued)

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1966	8,453	5,962	14,415	1,921	8
1967	58,733	4,769	63,502	1,465	43
1968	2,665	6,796	9,461	1,219	8
1969	4,481	1,653	6,134	901	7
1970	.....	.....	56,121	1,231	46

1970 SUMMARY

FOREST DISTRICT	Total Acres	Number Of Fires	Acres Per Fire
Chapleau.....	47	21	2
Cochrane.....	780	30	26
Fort Frances.....	324	91	3
Geraldton.....	8,650	85	102
Kapuskasing.....	800	48	17
Kemptville.....	9	12	1
Kenora.....	93	100	1
Lake Erie.....	...	...	...
Lake Huron.....	...	2	...
Lake Simcoe.....	5	9	1
Lindsay.....	20	41	...
North Bay.....	131	46	3
Parry Sound.....	62	45	1
Pembroke.....	223	64	3
Sault Ste. Marie.....	71	49	1
Sioux Lookout.....	39,057	111	352
Sudbury.....	321	168	2
Swastika.....	35	33	1
Thunder Bay.....	3,663	119	31
Tweed.....	1,085	116	9
White River.....	745	41	19
Totals.....	56,121	1,231	46

MONTHS

March.....	...	...	...
April.....	790	109	7
May.....	1,148	163	7
June.....	52,342	306	171
July.....	151	144	1
August.....	1,635	464	4
September.....	46	34	1
October.....	9	11	1
November.....	...	...	...

CAUSES OF FOREST FIRES

GENERAL CAUSES	1966	1967	1968	1969	1970*
Recreation.....	719	567	356	256	364
Resident.....	223	203	262	128	136
Incendiary.....	18	23	32	9	21
Railways.....	117	176	141	78	126
Industry (Forest).....	15	10	18	7	2
Industry (Other).....	73	38	44	21	19
Miscellaneous (Known).	205	236	270	191	140
Unknown.....	12	14	17	9	19
Lightning.....	539	198	79	202	404
TOTAL, Fires.....	1,921	1,465	1,219	901	1,231

SOURCE OF IGNITION

CAUSE OF FOREST FIRE	1965	1966	1967	1968	1969
Smoking Material	329	510	442	325	212
Camp Fire.....	149	302	219	117	139
Matches.....	117	153	120	127	65
Fireworks.....	55	35	31	25	18
Explosives.....	2	2	2	1	1
Fusee.....	5	6	13	2	8
Prescribed Burning....	..	2	9	..	1
Dump Live Ashes, Coals	..	2	3	8	3
Burning Grass.....	45	33	47	76	32
Burning Brush.....	29	42	26	42	23
Burning Rubbish.....	52	46	56	70	31
Burning Garbage Dump..	34	48	31	49	24
Burning Bulld'zd Pile.	5	4	5	7	1
Burning Sawdust Pile..	2	4	3	..	..
Burning Ties.....	2	6	8	..	1
Burning Right of Way..	9	11	5	15	6
Locomotive, Diesel....	29	14	61	33	21
Locomotive, Steam.....	..	..	1	..	..
Brake Shoe.....	40	56	59	72	34
Hot Box.....	..	..	1	3	..
Power Saw.....	3	4	5	1	3
Mechanical Equipment..	14	16	11	12	7
Power Line (Short)....	21	10	10	26	13
Sparks from Chimney...	7	2	11	6	1
Sparks from Burner....	7	2	5	3	1
Structural Fire.....	18	29	16	29	14
Miscellaneous (Known).	8	15	20	27	13
Unknown.....	34	28	47	64	27
Lightning.....	202	539	198	79	202
TOTAL, Fires.....	1,218	1,921	1,465	1,219	901

*Preliminary Report to November 15, 1970.

CAUSES OF FOREST FIRES

RESPONSIBLE GROUPS	1965	1966	1967	1968	1969
RECREATION					
Fisherman.....	164	256	205	120	118
Hunter.....	10	40	47	17	15
Canoeist.....	6	4	5	8	10
Camper.....	27	77	49	30	30
Picnicker.....	21	21	14	9	10
Berry Picker.....	40	107	82	21	23
TRAVELLER					
Car Passenger.....	75	125	117	124	79
Hiker.....	32	52	40	29	27
Train Passenger.....	2	23	1	2	1
Guided Party.....	..	..	2	..	..
RESIDENT					
Farmer.....	22	29	24	50	14
Rural Resident.....	99	71	115	129	53
Urban Resident.....	24	17	24	12	8
Private Cottager.....	34	47	39	46	33
Resort Owner.....	2	9	4	9	..
Indian (on Reserve)..	9	9	11	14	7
VOCATION					
Trapper.....	1	..	2	5	4
Prospector.....	5	1	3	2	1
Timber Cruiser.....	..	..	..	..	..
Land Survey Party....	2	2	1	..	1
Military.....	..	1	..	1	1
EMPLOYEE OF:-					
Woods Industry.....	18	14	14	18	5
Mining.....	7	8	1	6	2
Pipeline.....	..	1	..	..	..
Hydro.....	17	21	4	6	5
Telephone.....	3	..	..	1	..
Highway or Road.....	7	3	5	8	4
R.R. Section Crew....	12	11	15	16	6
R.R. Train Crew.....	80	62	131	115	63
R.R. Work Crew.....	12	10	12	5	5
Other Industry.....	6	12	15	11	4
Lands and Forests....	1	3	1	1	2
Other Prov. Govt.....	1	..	..	..	..
Federal Government...	..	2	..	1	1
Municipality.....	7	11	7	5	2
MISCELLANEOUS					
Children.....	198	212	156	164	85
Youth Groups.....	8	2	8	10	3
Miscellaneous (Known)	11	24	28	49	34
Unknown.....	53	95	85	96	43
TOTAL, Man-Caused Fires	1,016	1,382	1,267	1,140	699
Percentage of All Fires	83	72	87	94	78

DETECTION OF FOREST FIRES

MEANS OF DETECTION	1965	1966	1967	1968	1969
Lands & Forests Towers..	417	560	354	275	188
Outside Agency Tower....	...	2	2	...	2
Lands & Forests Aircraft	66	189	161	53	96
Commercial Aircraft.....	46	123	65	19	27
Private Aircraft.....	3	13	17	6	9
Lands & Forests Personnel	67	96	93	93	48
Other Prov.Govt. Employees	35	68	44	35	44
Public.....	584	872	729	738	487
TOTAL, Fires.....	1,218	1,921	1,465	1,219	901

SIZES OF FOREST FIRES

AREA BURNED OVER	1965	1966	1967	1968	1969
Up to 1/4.....Acres	572	998	630	481	474
Over 1/4 to 10.....Acres	560	834	712	602	383
Over 10 to 100.....Acres	70	70	99	118	36
Over 100 to 500.....Acres	13	14	16	17	6
Over 500.....Acres	3	5	8	1	2
TOTAL, Fires.....	1,218	1,921	1,465	1,219	901

PROSECUTIONS	1965	1966	1967	1968	1969
Prosecutions.....	37	28	31	41	34
Convictions.....	34	26	27	36	29

REPORT OF MAJOR EQUIPMENT as of March 31st, 1970

LOCATION	Portable Pumps	Fire Hose 00's	Blank- ets	Tents	Elder- downs	Bln- ocu- lars	Canoes	Boats Not Mtr.	In- bd.	Out Board Motors	Motor Vehi- cles	Trail- ers	Trac- tors	Railway Mtr. Cars	*S	*V	*B
DISTRICTS																	
Chapleau.....	55	346	1,136	157	101	30	66	21	...	39	47	16	8	2	6	2	...
Cochrane.....	50	316	1,084	158	92	37	48	15	2	55	34	14	5	6	7	...	...
Fort Frances....	36	210	928	103	122	24	34	32	3	43	32	17	4	...	10	...	...
Geraldton.....	64	295	1,555	173	79	28	37	23	3	45	54	18	5	4	8	...	...
Kapuskasing.....	41	350	1,040	126	31	25	43	11	...	44	45	18	5	5	8	...	...
Kemptville.....	17	289	390	8	27	23	3	32	...	25	35	29	16	...	7	...	...
Kenora.....	65	300	1,867	123	136	25	46	37	2	49	55	21	16	...	8	...	...
Lake Erie.....	15	164	356	47	18	40	4	24	6	28	67	26	12	...	1	1	...
Lake Huron.....	23	189	432	8	11	35	8	21	1	21	55	32	11	...	3	...	...
Lake Simcoe.....	31	395	658	9	13	42	6	32	1	31	68	34	36	...	11	...	...
Lindsay.....	50	348	1,197	40	49	34	26	41	...	53	61	40	21	...	4	...	3
North Bay.....	49	240	1,188	106	134	33	50	43	2	55	59	18	4	...	11	...	...
Parry Sound.....	40	373	1,088	75	116	32	50	53	3	61	63	33	7	...	13	...	...
Penbrooke.....	45	405	1,323	167	216	24	63	46	...	55	68	17	11	3	12	...	...
S.S. Marie.....	58	561	2,110	155	176	22	45	23	...	42	66	24	12	...	11	...	2
Sioux Lookout...	73	407	2,320	234	103	20	58	31	4	82	37	13	3	...	6	...	...
Sudbury.....	89	413	1,967	175	177	49	66	42	1	66	72	26	11	2	15	...	...
Swastika.....	49	254	1,186	92	185	25	31	25	...	30	47	22	8	...	4	...	...
Thunder Bay.....	72	430	2,418	186	159	38	53	28	...	48	60	17	12	...	5	...	1
Tweed.....	38	324	1,026	61	39	45	23	47	2	59	54	24	4	...	13	...	...
White River.....	51	492	1,101	118	71	17	51	26	1	39	48	19	6	4	5	...	...
Northwestern...	57	459	1,316	94	1	...	2	...	...	...	...	...	...	...	...	...	...
Northeastern...	59	475	1,730	207	4	...	3	...	...	...	1	...	...	...	...	...	...
Southern.....	...	...	...	1	6	...	...	...	...	...	1	...	...	...	...	...	...
O.P.T.S.*.....	8	35	52	1	...	3	21	3	...	7	4	4	4	...	1	...	...
Air Service.....	...	...	...	...	122	...	1	2	...	6	...	2	2	...	...	...	...
Head Office**..	12	...	9	105	290	50	40	46	2	52	50	43	15	...	13	...	3
TOTALS.....	1,147	8,070	29,477	2,683	2,478	701	878	704	33	1,035	1,183	527	238	26	183	3	9

*S--Snowmobiles, V--Velocipedes, B--Barges and Scows.

**Ontario Forest Technical School.

***Includes Research Branch.

MAJOR EQUIPMENT As of March 31st

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Portable Power Pumps	1,396	1,271	1,225	1,201	1,145	1,117	1,053	1,115	1,080	1,128	1,122	1,147
Portable Hand Pumps.	8,336	8,344	8,237	7,977	8,159	7,873	7,865	7,568	7,560	8,651	7,394	8,070
Hose (000's Feet)...	3,551	3,712	3,664	3,483	3,230	3,424	3,212	3,517	3,389	3,467	3,076	2,948
Tents.....	2,483	2,391	2,433	2,618	2,542	2,618	2,502	2,510	2,552	2,619	2,695	2,683
Sleeping Bags.....	1,671	1,739	1,750	1,780	1,828	1,764	1,876	1,705	1,811	2,650	2,975	2,478
Blankets.....	29,024	30,540	31,946	33,756	36,075	37,033	38,071	39,896	36,978	37,079	36,221	33,739
Binoculars.....	647	659	661	668	691	676	718	813	779	708	704	701
Canoes.....	1,005	954	930	922	868	859	816	878	897	917	900	878
Boats (Outboard)....	519	534	538	568	570	584	652	584	671	673	678	704
Motors (Outboard)...	785	809	807	834	837	841	884	910	983	1,005	1,018	1,035
Boats (Inboard).....	48	44	42	31	40	38	33	38	32	32	33	33
Barges and Scows....	7	6	9	6	5	5	6	3	3	2	6	9
Trucks and Autos....	918	905	945	949	967	988	979	1,006	1,070	1,025	1,083	1,183
Trailers.....	249	263	277	282	302	305	325	346	376	392	465	527
Tractors.....	186	184	194	198	214	211	216	181	210	228	232	238
Railway Motor Cars..	44	42	41	42	38	36	35	31	27	31	29	26
Velocipedes.....	22	20	18	16	16	14	13	4	1	....	2	3
Snowmobiles.....	10	13	14	16	22	29	40	43	79	124	151	183
Radio Sets, Stations	1,140	1,294	1,564	1,846	1,885	2,134	2,247	2,400	2,605	2,705	2,804	2,918
Steel Towers.....	308	315	318	323	323	323	323	323	323	323	323	323

AIR SERVICE SECTION

In 1924 the Air Service was formed with the purchase of twenty HS2L flying boats. W. Roy Maxwell was appointed first director. Bases and fuel caches were established at strategic points. A total of 2500 hours were flown the first year.

The more important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. The success of these aircraft in Ontario has led to their world-wide acceptance.

In spite of difficult flying conditions, only 26 aircraft have been written off. The last flying fatality occurred in May, 1952. There have been a total of 24 fatalities involving Air Service operations.

In recent years aircraft have been lost in service at Geraldton in 1950; Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; Ear Falls in 1959 and Kenora in 1961.

Development of aerial water bombing equipment has been carried out since 1944. The latest system is contained within the aircraft floats and incorporates a variable load feature and provision for mixing gelgard, a chemical water thickener. This system has been installed on six Otters, 27 Turbo Beavers and one Twin Otter in 1968.

In 1965 an aircraft modernization programme was initiated with the purchase of six new Turbo-Beavers. A total of twenty-eight have been acquired, replacing standard Beavers which have been sold. Three Twin Otters and one Model 60 Beechcraft Duke have been acquired.

The Section currently operates and maintains this fleet of aircraft to meet flying requirement of the Department and special needs of other Government Departments.

Air Service Summary -- HOURS FLOWN In years ending March 31st

YEAR	Fire Ranging	Timber	Fish and Wildlife	Surveys	Lands	Parks	*Research	Inter- Dept.	Photo	Mercy Flights	Miscel- laneous	TOTAL
1924- 1949	88,732	4,182	2,985	...	...	...	1,030	...	1,415	361	75,674	174,378:35
1950	6,925	605	1,645	...	110	...	...	278	...	...	3,968	13,530:45
1951	4,210	938	2,029	...	283	...	303	232	...	64	2,998	11,057:10
1952	5,498	903	2,086	...	153	...	360	188	273	168	3,171	12,800:20
1953	5,278	674	1,980	97	149	...	266	150	280	56	2,959	11,888:50
1954	6,302	982	1,972	124	376	...	386	574	186	53	2,609	12,564:10
1955	5,095	1,048	2,362	181	246	...	284	398	244	34	2,497	12,388:30
1956	11,396	835	2,333	128	181	...	192	458	130	55	2,077	17,785:10
1957	5,347	986	2,289	72	180	...	199	384	148	34	2,053	11,692:20
1958	5,652	801	2,837	23	190	310	212	327	24	44	2,086	12,506:20
1959	4,275	876	3,615	15	200	272	189	421	...	39	2,376	12,277:35
1960	4,053	883	3,569	11	209	345	228	475	...	42	2,169	11,984:00
1961	4,914	965	3,455	4	267	255	200	470	...	72	1,967	12,568:30
1962	7,130	799	3,628	...	260	266	170	370	...	33	1,830	14,485:45
1963	4,169	923	3,862	...	230	386	201	454	...	20	2,297	12,541:45
1964	5,837	1,125	3,876	8	301	476	205	560	...	24	2,389	14,801:00
1965	4,467	1,267	3,579	...	271	347	239	350	...	25	2,702	13,247:15
1966	3,243	1,088	3,443	...	418	282	255	396	...	22	3,603	12,750:00
1967	4,148	1,267	3,762	...	470	298	364	562	...	25	3,857	14,752:40
1968	4,250	1,219	4,076	...	459	568	322	622	...	17	4,272	15,805:10
1969	2,095	1,335	3,988	...	544	571	454	896	...	13	4,560	14,456:05
1970	2,825	1,473	3,924	...	678	728	470	977	...	116	4,206	15,797:05
Total:	195,841	25,174	67,695	663	6,175	5,104	6,529	9,542	2,700	1,317	136,319	457,059:00

*Research Includes Entomology.

Hours Flown by **HELICOPTERS** (Leased and Contract)
in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,098:50
1966	937	142	136	193	1,408:50
1967	1,643	102	154	295	2,193:40
1968	1,205	163	261	485	2,114:30
1969	620	343	289	650	1,902:15
1970	920	340	460	602	2,322:40

Hours Flown by **COMMERCIAL AIRCRAFT** (Leased)
in years ending March 31st.

1967	1,565	22	200	127	1,913.40
1968	3,331	50	430	162	3,973:10
1969	1,251	51	151	129	1,582:15
1970	1,899	126	310	257	2,592:30

AIR SERVICE SUMMARY

in years ending March 31st

YEAR	Mercy Flights	Passengers Carried	Flight Crew	Effective Loads Carried	
				Tons	Pounds
1924- 1949	..	165,583	89,206	27,233	1,067
1950	..	30,687	5,918	3,982	76
1951	..	27,140	5,140	3,366	1,111
1952	..	30,439	5,410	3,663	1,616
1953	..	25,900	5,346	3,078	1,262
1954	..	31,109	7,245	3,918	605
1955	..	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4,871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
1966	15	28,409	4,983	4,998	507
1967	17	31,013	5,689	6,600	64
1968	15	32,388	6,376	8,736	1,856
1969	13	32,062	6,154	5,713	1,706
1970	22	36,080	24,503	6,625	531
Total	..	812,620	223,989	134,848	810

PILOTS' FLYING TIME March 31st, 1970

PILOTS		1924-69	1969-70	TOTAL
Ayers	N.R.	1,020:35	465:30	1,486:05
Ballantyne	D.E.	3,886:20	4:05	3,890:25
Beaushene	G.D.	6,410:35	305:10	6,715:45
Bieck	A.H.	4,345:40	442:15	4,787:55
Bracken	P.G.	273:45	347:45	621:30
Burt	A.E.	10,719:55	322:10	11,042:05
Calver	D.R.	5,720:20	308:15	6,028:35
Campbell	G.E.	8,567:05	480:00	9,047:05
Colfer	A.P.	10,899:05	430:45	11,329:50
Cooke	T.C.	9,057:40	76:35	9,134:15
Cram	W.W.	3,500:20	413:15	3,913:35
Croal	D.M.	5,384:00	543:45	5,927:45
Denley	J.G.	9,402:40	241:30	9,644:10
Evans	F.B.	6,675:15	259:55	6,935:10
Gill	L.A.	.....	179:55	179:55
Good	S.D.	1,127:15	257:50	1,385:05
Glennie	N.A.	5,119:35	341:10	5,460:45
Hoar	H.A.	4,421:35	166:45	4,588:20
Hoeberg	P.S.	6,495:00	486:20	6,981:20
Howe	F.R.	1,660:30	434:05	2,094:35
Kachanovsky	J.	945:05	445:30	1,390:35
Kirk	C.J.	6,719:45	199:35	6,919:20
Lamont	J.A.	6,036:05	330:10	6,366:15
Lefevvre	C.J.	11,573:45	194:40	11,768:25
Lowe	B.	3,473:30	412:35	3,886:05
Magill	J.B.	865:40	51:40	917:20
McCauley	G.N.	.....	303:40	303:40
McLellan	D.	1,017:55	565:05	1,583:00
McLeod	A.K.	2,094:10	512:15	2,606:25
McNabb	D.D.	1,872:50	548:40	2,421:30
North	D.H.	3,405:20	336:55	3,742:15
Nyman	R.V.	987:30	451:25	1,438:55
Parsons	R.	9,181:20	182:45	9,364:05
Phillips	T.R.	269:40	293:00	562:40
Siegel	J.	7,389:05	268:55	7,658:00
Speight	H.C.	11,345:20	432:25	11,777:45
Stewart	A.L.	.....	571:15	571:15
Swant	F.D.	429:55	481:10	911:05
Taylor	J.M.	3,901:40	79:25	3,981:05
Thompson	F.J.	5,271:05	259:05	5,530:10
Thomson	G.G.	.....	355:30	355:30
Turcotte	L.G.	4,102:00	450:35	4,552:35
VanKoevinge	J.	92:00	317:25	409:25
Warner	W.K.	1,033:45	54:20	1,088:05
Weisflock	E.J.	2,478:45	569:30	3,048:15
Other Pilots		252,999:40	622:35	253,622:15
TOTAL HOURS		442,173:00	15,797:05	457,970:05

AIR SERVICE BASE OPENING DATES (or First Float Flying)

•Year Round Base

BASE

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
*Algonquin Park...	5 May	2 May	4 May	3 May	24 April	7 May	15 May	25 May	23 May	17 May	21 May	19 May
*Carey Lake.....	12 May	23 May	10 May	13 May	9 May	13 May	13 May	26 May	30 May	30 May	13 May	19 May
*Armstrong.....	15 May	22 May	24 May	25 May	20 May	11 May	17 May	1 April	2 May	27 April	11 April	7 May
*Chapleau.....	4 May	11 May	4 April	7 May	29 April	1 May	4 May	6 May	24 April	22 April	28 April	16 April
*Fort Frances.....	28 April	4 May	1 May	1 May	25 April	4 May	4 May	1 April	16 May	13 May	20 May	13 May
*Geraldton.....	10 May	18 May	11 May	16 May	7 May	7 May	11 May	16 July	3 May	6 May	8 May	4 May
*Gogama.....	6 May	5 May	10 May	7 May	1 May	1 May	13 May	.....	.....	.....	.....	.....
*Ignace.....	8 May	12 May	11 May	11 May	8 May	8 May	12 May	.....	.....	.....	.....	.....
*Kenogami Lake....	12 May	18 May	13 May	10 May	8 May	4 May	12 May	19 May	11 May	19 May	14 May	17 May
*Kenora.....	30 April	12 May	11 May	9 May	6 May	8 May	3 May	6 April	5 May	1 May	15 May	11 May
Launson Lake.....	20 April	2 May	26 April	26 April	22 April	30 April	4 May	25 April	27 April	29 April	5 May	30 April
*Nym Lake.....	8 May	12 May	12 May	16 May	8 May	8 May	11 May	29 May	15 May	10 May	7 May	14 May
*Oba Lake.....	11 May	23 May	11 May	15 May	.....	.....	.....	.....	.....	.....	.....	.....
*Parry Sound.....	27 April	27 April	26 May	25 April	22 April	23 April	4 May	2 April	29 April	19 April	18 April	2 May
*Pays Plat.....	8 May	12 May	10 May	11 May	23 April	8 May	11 May	9 May	6 May	10 May	8 May	.....
*Pembroke.....	15 May	20 May	4 May	26 April	23 April	25 April	4 May	1 April	21 April	6 April	10 April	28 April
*Pickle Lake.....	15 May	20 May	19 May	16 May	17 May	17 May	13 May	31 May	1 June	21 May	21 May	20 May
*Thunder Bay.....	24 April	13 May	19 May	16 May	5 May	5 May	12 May	17 May	3 May	28 April	28 April	11 May
*Red Lake.....	14 May	16 May	19 May	15 May	8 May	10 May	12 May	25 May	24 May	13 May	13 May	18 May
*Remi Lake.....	12 May	19 May	11 May	15 May	9 May	6 May	12 May	24 May	23 May	10 May	13 May	15 May
*Sault Ste. Marie..	8 April	11 April	4 April	2 April	3 April	3 April	.....	1 April	1 April	12 April	22 April	8 May
*Sioux Lookout....	14 May	16 May	16 May	8 May	2 May	7 May	10 May	23 May	16 May	9 May	3 May	30 April
*Timmins.....	8 May	16 May	11 May	9 May	11 May	4 May	11 May	14 May	10 May	11 May	18 May	15 May
*Sudbury.....	1 May	4 May	4 May	27 April	24 April	28 April	8 May	25 April	3 May	17 April	25 April	27 April
*Temagami.....	8 May	11 May	17 May	9 May	1 May	4 May	14 May	9 May	9 May	26 April	9 May	4 May
*Toronto.....	28 April	28 April	19 April	6 April	17 April	20 April	.....	5 April	1 April	1 April	1 April	16 April
*Tweed.....	27 April	28 April	25 April	25 April	18 April	23 April	4 May	25 April	20 April	11 April	24 April	28 April
*Twin Lakes.....	15 May	25 May	21 May	22 May	15 May	11 May	13 May	.....	.....	.....	.....	.....
*White River.....	12 May	20 May	12 May	15 May	15 May	10 May	11 May	19 May	12 May	3 May	7 May	13 May

NEW POLICIES

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland

Northern District of North America (Quebec) (Lower Canada 1800-1801) .	1764-1801	Surveyor-General
--	-----------	------------------

Sir D.W. Smith

First Surveyor-General of Province of Upper Canada	1800-1804	Surveyor-General
---	-----------	------------------

C. B. Wyatt	1804-1805	Surveyor-General
-------------------	-----------	------------------

William Chewett and

Thomas Ridout	1805-1810	Surveyor-General
---------------------	-----------	------------------

Thomas Ridout	1810-1829	Surveyor-General
---------------------	-----------	------------------

Hon. S. P. Hurd	1832-1835	Surveyor-General
-----------------------	-----------	------------------

J. Macaulay	1836-1838	Surveyor-General
-------------------	-----------	------------------

Hon. R. B. Sullivan	1838-1840	Surveyor-General
---------------------------	-----------	------------------

Thos. Parke	1841-1845	Surveyor-General
-------------------	-----------	------------------

* G. B. Kirkpatrick	1880-1917	Director of Surveys
---------------------------	-----------	---------------------

* L. V. Rorke	1918-1928	Director of Surveys
---------------------	-----------	---------------------

† L. V. Rorke	1928-1936	Deputy Minister/ Surveyor-General
---------------------	-----------	--------------------------------------

‡ C. H. Fullerton	1936-1946	Surveyor-General
-------------------------	-----------	------------------

F. W. Beatty	1946-1962	Surveyor-General
--------------------	-----------	------------------

Robert G. Code	1962-	Surveyor-General
----------------------	-------	------------------

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning added in 1958 and Engineering Section added in 1962. Land Acquisition Section was created in 1963. Land Use Planning Section merged with Land Acquisition in 1966 as Land Acquisition and Planning Section.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: ROBERT G. CODE

LANDS SECTION

Supervisor: R.S. Hyslop

Administration of public lands and their disposition by sale, patent, vesting order, quit claim deed, lease, licence of occupation, or land use permit; release of reservations in patents, assignments and cancellations; reservation of lands for public and government uses; control of improvements in restricted areas; Beach Management Agreements concluded with Municipalities.

LAND ACQUISITION & PLANNING SECTION

Supervisor: W.G. Maslen

Recommendations and applications for purchase of private lands for public uses; development and co-ordination of land use plans; Ontario Land Inventory; co-ordination of departmental A.R.D.A. projects; liaison with Department of Agriculture and Food on private lands and with other departments on the socio-economic implications of land use objectives; and road co-ordination.

Approval of dams; licences of occupation for dams, flooding and diversions; water resource management; issuance and servicing of Water Power Lease Agreements.

SURVEYS SECTION

Supervisor:

Examination, recording and custody of original plans and field notes of restoration of original Crown survey points, retracement and Municipal surveys, and surveys of Crown lands for disposition; map compilation; authorization of geographical names; distribution of maps, publications and copies of survey records.

Branch attendance, accounts payable, budget, expenditure control, supplies and equipment.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2,400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square - no road allowances - Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 206 township subdivision surveys have been annulled, as of October 31, 1969, under the provisions of Section 10 (1) of The Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 43 in 1874 and retraced in 1932 to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1930 and to James Bay in 1931.

The Ontario-Quebec boundary from Lake St. Francis to the Ottawa River was originally traced in 1860 by E.T. Fletcher, P.L.S., reviewed in 1922 by P.E. Mercier, Q.L.S. and E.T. Wilkie, O.L.S., and inspected in 1969 by D.E. Norris, O.L.S. and G. Tanguay, Q.L.S.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to March 31, 1970, a total of 938 plans of subdivision for summer cottage purposes have been registered, covering 11,406 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1969, the total installed capacity of power plants under lease and in service is 5,777,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 9,134,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

The highest known point in Ontario is Ogidaki Mountain, located in Township 24, Range 12, Algoma District - elevation 2,183 feet above mean sea level.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forest to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

Section 16 of The Public Lands Act came into force on April 12, 1960. It authorized the designation of any area in territory without municipal organization as a restricted area. Fifteen areas are designated for the purpose of encouraging orderly residential development in accordance with the principles of public health, safety and community planning.

On March 29, 1961, Sections 44 to 61 inclusive of The Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown public lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise. Generally speaking no public lands are available for farming in southern Ontario.

Summer cottage sites are made available on a sale basis after completion of lake development plans. These plans prepared by local offices of the Department ensure protection of the present and future public interest by reserving access points, lookout and camping areas, wildlife propagation areas, etc. Not less than 25% of the shoreline must be retained for these purposes. Areas selected for cottage sites are examined by the health authorities and other Government bodies concerned with environmental pollution. When clearance is given the lots are surveyed into registered plans of subdivision and sold by district offices on a cash basis. Where demand for lots exceeds supply, sale is made by public auction.

Commercial summer resort lands may be purchased or leased under conditions of size, price and improvements specified by Regulations.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Locations for hunting and fishing camps can be rented under a Land Use Permit issued by the District Forester in parts of the Province where the density of such camps has not reached saturation. The permit is to regulate buildings only and does not carry with it any hunting or fishing privileges.

Pine Tree Reservations

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

In 1951, by an amendment to The Public Lands Act, the reservation of all trees made in patents for agricultural land was voided.

In 1970, an amendment voided the reservation of trees contained in patents issued for any purpose before April 1, 1869.

Commencing in 1907, pine trees were reserved in summer resort patents. All such reservations were voided by an amendment to the Act in 1970.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

LAND ACQUISITION AND PLANNING SECTION

This Section-

- (a) Determines the land's capability to, produce crops of wildlife, fish and timber; provide a variety of outdoor recreational experiences; and provide suitable space for cultural developments such as houses, factories, roads and airports.
- (b) Supervises and co-ordinates the preparation of plans recommending the best land use based on the land's ability to satisfy the various uses.
- (c) Co-ordinates the long range planning activities of the Department to ensure the optimum benefits are achieved while implementing the recommended land uses.
- (d) Acquires private land to meet the needs of the people as recommended in the plans.

The Section is also responsible for the co-ordination of A.R.D.A. programs in the Department; liaison with the Regional Development Branch, Department of Treasury on regional planning; co-ordination of the Forest Access Roads Program; co-ordination of the Advisory Committees on Recreational Land Use Planning; liaison with the Department of Agriculture on the Private Lands Liaison Committee.

LANDS PROPOSED, ACQUIRED AND REJECTED

In year ending March 31, 1970

Use Category	Acres Proposed	Acres Rejected	Acres Acquired	Cost
Provincial Parks.....	6,155	42	3,633	\$1,475,563
Access Points....	1,729	23	350	218,319
General Recreation	1,566	...	1,318	104,225
Wilderness Areas.....	57	...	21	2,788
Wildlife Management	7,306	...	3,091	507,914
Timber Management	119,564	162	83,240	616,932
District Improvements	25	4	3	8,031
Totals ...	136,402	231	91,656	2,933,772

ACRES ACQUIRED in years ending March 31st

Use Category	1967	1968	1969	1970
Provincial Parks.....	6,244.49	9,142.10	5,421.86	3,633
Access Points....	290.90	1,135.36	348.62	350
General Recreation	851.30	8,829.26	5,007.50	1,318
Wilderness Areas.....	614.30	356.96	136.00	21
Wildlife Management	1,876.00	3,327.77	6,556.70	3,091
Timber Management	8,859.42	32,631.50	194,495.73	83,240
District Improvements	109.30	154.00	1,481.46	3
Totals ...	18,845.71	55,576.95	213,447.87	91,656

LAND ACQUIRED BY CROWN

Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	16,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174	7,969	12,081	22,224
1966	5,484	1,989	8,285	15,758
1967	8,402	1,840	12,601	22,843
1968	8,344	470	46,435	55,249
1969	2,411	996	208,026	211,433
1970	3,272	128	88,023	91,423

FREE GRANT LAND in years ending March 31st

Year	Locations		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1946	49	5,737	545	61,459	120	14,214	216	26,068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	67	8,649	403	48,578	64	8,415	164	22,119
1949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
1951	28	3,608	289	35,371	56	7,747	150	19,826
1952	27	3,411	159	19,785	37	5,060	165	21,411
1953	36	4,655	181	21,874	25	3,452	120	16,131
1954	24	2,757	250	30,784	19	2,618	136	17,713
1955	17	1,823	209	25,755	7	1,005	87	11,219
1956	20	2,708	114	12,661	4	517	59	7,501
1957	8	878	78	8,727	1	151	47	6,089
1958	6	796	60	6,950	1	156	48	6,483
1959	4	462	43	4,689	1	160	36	4,658
1960	4	386	48	4,597	1	50	44	5,911
1961	..	.....	89	9,799	2	156	29	3,701
1962	..	.....	51	5,033	..	.....	25	2,670
1963	..	.....	74	7,979	..	.....	30	3,939
1964	..	.....	12	1,222	1	100	18	2,385
1965	..	.....	23	2,721	..	.....	11	1,319
1966	..	.....	24	2,756	..	.....	12	1,307
1967	..	.....	2	186	..	.....	7	732
1968	..	.....	..	.....	..	.....	..	.....
1969	..	.....	3	268	1	68	2	168
1970	..	.....	..	.....	..	.....	3	177

AGRICULTURAL LAND in years ending March 31st

Year	Sales		Cancellations		Assignments		Patents		Quit No.	Claim Deeds Acres
	No.	Acres	No.	Acres	No.	Acres	No.	Acres		
1946	281	26,535	438	42,933	162	17,464	321	36,683	...	...
1947	303	29,757	338	29,470	222	22,801	433	52,189	...	...
1948	280	29,506	402	37,069	185	21,667	299	32,929	...	...
1949	277	28,740	378	35,095	105	12,392	225	26,435	...	...
1950	267	26,671	327	32,452	113	12,145	316	35,483	...	...
1951	195	19,228	221	22,134	69	7,673	256	28,104	...	...
1952	223	24,420	143	13,358	71	7,313	242	26,474	...	...
1953	186	21,965	221	21,645	70	7,560	256	29,319	...	...
1954	144	14,534	131	13,049	50	4,484	256	29,123	...	...
1955	158	15,232	161	17,377	92	4,131	188	21,265	...	...
1956	117	12,230	184	18,513	26	3,008	148	17,892	...	...
1957	82	8,683	191	19,038	15	1,461	126	14,882	...	...
1958	101	10,543	174	17,087	7	807	150	15,471	...	...
1959	101	10,607	141	13,788	12	1,227	110	11,644	...	...
1960	68	6,578	59	5,788	3	211	105	10,980	...	...
1961	35	3,808	94	9,133	15	1,531	108	11,633	...	...
1962	10	1,102	58	5,892	4	330	94	10,267	...	...
1963	5	284	59	5,868	5	446	84	9,512	...	...
1964	6	549	9	810	1	80	88	8,783	...	...
1965	16	1,384	48	4,778	..	.....	62	6,468	...	...
1966	12	1,084	29	2,860	..	.....	42	4,362	...	...
1967	6	476	15	1,591	..	.....	28	2,510	...	100
1968	1	160	2	240	..	.....	24	2,480	2	177
1969	2	226	2	235	..	.....	19	2,144	...	...
1970	1	86	1	80	..	.....	8	902	1	9

SUMMER RESORT LAND in years ending March 31st.

YEAR	Sales		Cancellations		Assignments		Patents		Acres	Surveys
	No.	Acres	No.	Acres	No.	Acres	No.	Acres		
1946	535	1,411	11	35	14	32	277	781	358	
1947	666	1,841	6	6	37	186	496	1,764	388	
1948	700	1,700	26	69	34	139	446	1,153	692	
1949	1,010	2,336	45	218	40	107	756	1,984	1,199	
1950	1,202	2,512	77	610	38	95	1,046	2,613	1,435	
1951	1,360	2,484	62	112	50	94	1,125	2,294	1,737	
1952	1,601	2,769	75	148	35	319	1,294	3,363	1,800	
1953	1,290	2,278	73	183	40	127	1,263	2,287	1,458	
1954	1,435	2,133	76	447	37	72	1,312	2,168	1,752	
1955	1,278	1,871	84	166	28	42	1,479	2,438	1,670	
1956	1,176	1,614	108	183	12	17	1,384	2,089	1,269	
1957	714	958	61	124	17	17	1,164	1,411	1,207	
1958	1,344	1,678	36	53	13	15	962	1,350	2,083	
1959	2,155	2,517	27	28	19	23	1,220	1,588	2,660	
1960	2,418	2,345	33	49	29	25	1,946	2,010	2,307	
1961	1,557	1,543	58	72	25	25	1,840	1,929	2,935	
1962	1,391	1,377	55	77	22	26	2,234	2,415	2,577	
1963	1,131	1,068	25	29	11	8	1,418	1,494	1,374	
1964	912	929	17	19	6	7	1,088	1,092	939	
1965	881	824	32	33	3	8	977	981	726	
1966	856	863	23	21	17	25	883	925	838	
1967	1,142	1,109	17	15	30	27	827	821	897	
1968	944	977	20	24	27	23	961	940	746	
1969	1,379	1,392	25	27	25	27	1,117	1,080	1,018	
1970	1,563	1,565	16	19	32	30	1,065	1,195	1,447	

CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

Year	No.	Sales		Cancellations		Assignments		Patents		Quit Claim Deeds	
		No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1947	275		137.92	9	2.39	27	6.67	249	175.39	.	...
1948	...	..	...	..	...	..	...	...	...	.	...
1949	151	17	68.626	17	17.182	22	8.904	146	66.634	.	...
1950	97	10	102.906	10	1.668	11	21.764	182	111.60195	.	...
1951	87		56.996	15	30.05	10	2.2145	143	94.3345	.	...
1952	91	7	252.47	7	1.695	10	1.576	90	38.274	.	...
1953	111	19	64.7477	19	13.82	2	0.378	126	68.950	.	...
1954	89	8	28.604	8	23.308	7	1.682	99	63.0438	.	...
1955	60	11	15.411	11	5.271	11	2.39	70	26.651	.	...
1956	91	14	44.690	14	6.06	7	1.44	85	1,613.190	.	...
1957	96	14	60.547	14	5.04	2	0.37	85	70.632	.	...
1958	76	10	15.693	10	1.159	4	0.86	69	323.050	.	...
1959	109	6	30.8821	6	2.109	4	0.978	101	37.990	3	12.909
1960	113	12	36.315	12	1.1872	4	0.941	99	75.994	3	219.485
1961	83	17	29.443	17	3.318	5	0.98	91	25.618	3	155.89
1962	104	20	39.910	20	5.708	..	...	105	61.243	3	1.34
1963	77	31	31.941	31	6.318	8	2.885	99	36.547	7	28.314
1964	64	4	34.650	4	4.892	1	0.2	67	218.826	3	2.305
1965	27	13	7.140	13	2.840	1	0.394	45	15.019	1	0.13
1966	34	11	14.189	11	2.140	1	0.24	45	12.254	1	0.69
1967	27	5	10.275	5	1.063	1	0.09	23	13.106	.	...
1968	37	5	12.491	5	1.165	5	1.18	37	14.986	1	0.50
1969	71	3	64.638	3	1.39	1	0.30	59	15.563	1	...
1970	63	9	56.921	9	27.072	2	0.45	34	92.558	3	17.349

LAND FOR SPECIAL USE in years ending March 31st

Year	No.	Sales Acres	Cancellations No. Acres	Assignments No. Acres	Patents No. Acres	Quit Claim Deeds No. Acres	Easements No. Acres
1947	211	14,293.96	..	..	145	13,272.99	..
1948	199	..	..	..	..	..	..
1949	199	20,541.913	5	110.00	..	13,132.423	..
1950	183	26,616.1662	5	206.59	187	55,461.188	..
1951	155	4,285.757	11	255.655	175	5,471.559	..
1952	149	5,367.3395	15	576.64	157	7,318.1075	..
1953	141	5,440.696	9	640.02	170	6,931.922	..
1954	145	4,220.913	12	418.984	154	6,168.493	..
1955	143	4,745.9465	12	614.26	163	4,989.0825	..
1956	129	7,451.9988	10	427.33	132	6,274.0393	..
1957	81	2,122.698	7	249.84	132	5,175.287	..
1958	148	4,533.12	12	545.20	152	5,620.207	..
1959	88	1,738.784	2	95.48	108	2,554.183	..
1960	157	3,201.033	4	228.25	162	10,254.213	..
1961	108	9,149.599	6	159.31	156	4,888.957	..
1962	122	2,587.402	5	82.114	158	4,090.992	..
1963	100	2,527.392	3	180.21	146	4,863.112	..
1964	75	1,529.052	4	83.03	140	6,624.6265	..
1965	86	622.792	8	432.33	128	16,667.445	..
1966	83	671.858	8	244.489	99	2,345.328	..
1967	128	1,462.543	3	47.01	149	3,916.502	..
1968	108	1,192.00	4	204.00	153	1,896.00	..
1969	125	3,283.274	4	466.39	144	3,803.024	..
1970	111	954.161	2	1.55	113	2,747.811	..
						926.54	..
						937.583	..
						221.00	3
						246.37	..
						217.765	..

LEASES

LICENCES OF OCCUPATION

YEAR Ending March 31st	LICENCES OF OCCUPATION				LEASES			
	No. Issued	Acres	No. Cancelled	Acres	No. Issued	Acres	No. Cancelled	Acres
1947	86	...	219	...	151	...	22	...
1948	108	...	138	...	109	...	26	...
1949	87	...	125	...	92	...	44	...
1950	96	...	97	...	88	...	44	...
1951	81	...	114	...	88	...	37	...
1952	87	...	104	...	113	...	36	...
1953	66	...	60	...	88	...	29	...
1954	88	...	124	...	84	...	45	...
1955	59	...	48	...	11	...	60	...
1956	60	...	61	...	53	...	88	...
1957	84	...	81	...	60	...	71	...
1958	65	...	76	...	32	...	22	...
1959	75	...	58	...	26	...	26	...
1960	55	...	57	...	51	...	29	...
1961	68	...	64	...	37	...	20	...
1962	71	...	62	...	50	...	21	...
1963	47	...	79	...	51	...	31	...
1964	70	...	96	...	50	...	34	...
1965	32	...	66	...	127	...	111	...
1966	53	...	71	...	76	...	86	...
1967	65	1,458	90	2,891	80	401	97	1,214
1968	72	7,275	58	6,662	97	418	112	357
1969	61	3,575	62	8,609	81	351	94	415
1970	67	1,134	44	1,688	101	349	85	209

LAND USE PERMITS in years ending March 31st

Year	Hunt Camp	Trappers Cabin	Residence and Garden	Agricul- ture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total Acres
1947	391	25	570	201	38	172	10	56	95	330	1,888	18,955
1948	464	47	489	233	15	197	2	80	307	377	2,211	.....
1949	543	33	446	129	57	170	2	77	370	501	2,583	22,458
1950	786	18	386	122	67	175	4	42	265	1,262	3,270	15,846
1951	796	32	261	66	56	231	6	79	599	1,617	3,891	19,035
1952	866	13	259	47	34	239	..	76	643	1,758	.....	.....
1953	957	..	299	34	24	187	1	69	400	1,671	3,809	16,031
1954	1,064	4	224	35	19	169	..	41	563	1,964	4,274	21,201
1955	1,220	29	246	34	10	180	9	102	683	2,046	4,559	18,128
1956	1,234	200	435	130	29	216	5	216	453	2,543	2,918	30,321
1957	1,248	328	459	84	36	215	5	237	537	2,613	3,059	29,669
1958	1,352	218	514	79	37	184	1	252	509	2,858	3,146	34,471
1959	1,190	279	514	89	31	214	3	368	365	3,121	3,053	36,742
1960	1,689	226	503	65	45	149	3	344	416	3,107	3,440	36,625
1961	1,875	201	328	48	22	188	7	255	548	3,181	3,472	29,899
1962	2,245	216	443	46	22	152	4	254	478	3,068	3,866	32,903
1963	2,163	241	441	49	17	158	4	265	572	3,210	3,904	37,078
1964	2,424	278	591	68	19	156	7	275	561	3,173	4,379	40,232
1965	2,395	296	349	47	46	163	12	415	713	3,146	4,436	35,438
1966	2,413	285	338	57	48	154	7	397	683	3,055	4,382	31,810
1967	2,516	325	353	52	55	157	8	393	696	2,737	4,555	29,036
1968	2,637	382	346	45	38	159	12	394	734	2,863	4,747	58,639
1969	2,696	466	448	42	54	146	12	384	682	2,603	4,930	53,023
1970	2,169	356	781	39	44	94	16	388	607	51	4,494	45,563

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

FREE GRANT LAND

The fiscal year ending March 31st, 1970

Administrative District	Sales No.	Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
Pembroke	1	50	..	..
Tweed	2	127	..	..
Totals	3	177	..	..

AGRICULTURAL LAND

The fiscal year ending March 31st, 1970

Administrative District	Sales No.	Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
Kenora	..	..	..	..	..	..	1	163	..	..
Lindsay	..	..	..	..	..	..	1	100	..	..
Lake Simcoe	..	..	..	..	..	..	..	..	1	9
Sudbury	1	86	..	..	1	80	2	210	..	..
Swastika	..	..	..	..	..	..	4	429	..	..
Totals	1	86	..	..	1	80	8	902	1	9

SUMMER RESORT

The Fiscal year ending March 31st, 1970.

Administrative District	No.	Sales Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
Chapleau	25	24,622	..	..	..	..	19	22,496	..	..
Cochrane	47	33,452	..	..	..	..	15	10,692	..	..
Fort Frances	155	160,194	4	3.91	1	4.33	105	124.96	..	..
Geraldton	38	28,313	1	0.71	..	..	19	15,920	..	..
Kapuskasing	17	11,222	1	0.51	..	..	8	13,792	..	..
Kemptville	1	0.93	..	..	..	..	8	6.52	..	..
Kenora	165	149,41	..	..	2	1.68	91	98,361	..	..
Lindsay	132	91,92	3	1.90	..	..	41	42.55	..	..
North Bay	106	117,846	4	4.09	1	0.75	44	44,748	..	..
Parry Sound	285	268,706	5	4.55	1	0.84	162	159,946	..	..
Pembroke	65	67,213	..	..	..	..	69	77,328	..	..
Port Arthur	92	79,858	2	1.47	2	2.80	36	37.44	..	..
Sault Ste. Marie	42	53,346	2	1.96	2	2.39	61	139,944	..	..
Sioux Lookout	35	48,052	2	3.91	..	..	36	56,044	..	..
Sudbury	94	180,135	4	3.53	4	4.46	76	79,195	..	..
Swastika	37	29,337	1	0.73	1	0.50	29	21,755	..	..
Tweed	217	211,272	3	2.75	2	1.50	238	235,557	..	..
White River	10	9.05	..	..	..	..	8	7.65	..	..
Totals	1563	1564,878	32	30.02	16	19.25	1065	1194,898	..	..

CITIES, TOWNS and TOWNPLOTS

The fiscal year ending March 31st, 1970.

Administrative District	Sales No.	Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
Chapleau	..	..	..	..	1	0.30	1	0.77	..	..
Cochrane	3	0.57	..	..	..	..	2	0.54	..	..
Geraldton	3	0.697	..	..	..	..	1	0.252	..	..
Kapuskasing	7	22.325	1	0.34	..	..	6	58.71	..	..
Kenora	..	..	..	..	2	1.032	2	0.55	..	..
Lake Erie	..	..	..	..	..	..	..	..	1	0.099
Lake Huron	1	1.0	..	..	..	..	2	24.472	2	17.25
Lake Simcoe	1	0.04	..	..	..	..	..	..	..	..
Lindsay	..	..	..	..	..	..	1	1.16	..	..
North Bay	9	..	..	..	..	..	1	..	..	..
Parry Sound	..	..	..	..	..	..	3	1.434	..	..
Pembroke	5	1.772	..	..	..	..	2	0.501	..	..
Port Arthur	1	1.2	..	..	..	..	1	1.2	..	..
Sioux Lookout	2	..	..	..	..	..	1	..	..	..
Sudbury	22	11.629	1	0.11	6	25.74	8	1.88	..	..
Swastika	8	1.688	..	..	..	..	3	1.088	..	..
Tweed	1	26.0	..	..	..	..	..	..	..	..
Totals	63	56.921	2	0.45	9	27.072	34	92.557	3	17.349

LAND FOR SPECIAL USE

The fiscal year ending March 31st, 1970.

Administrative District	No.	Sales Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
Chapleau	5	12.453	..	..	..	..	9	842.306	..	..
Cochrane	3	2.893	..	..	..	..	3	3.113	..	..
Fort Frances	5	18.77	..	..	1	0.65	7	9.07	..	..
Geraldton	6	17.516	..	..	..	..	6	27.795	..	..
Kapuskasing	4	2.124	..	..	..	..	2	0.91	..	..
Kemptville	..	..	..	..	..	..	..	..	2	21.486
Kenora	13	37.159	..	..	1	0.90	13	26.35	..	..
Lake Erie	4	129.0	..	..	..	..	4	2.075	..	106.297
Lake Simcoe	5	19.62	..	..	..	..	5	16.677	..	..
Lindsay	2	3.376	..	..	..	..	5	331.645	2	39.98
North Bay	2	60.799	..	..	..	..	3	79.249	..	..
Parry Sound	8	84.886	..	..	..	..	9	125.81	1	0.002
Pembroke	1	0.67	..	..	..	..	3	55.62	..	..
Port Arthur	6	14.113	..	..	..	..	8	65.903	..	..
Sault Ste. Marie	2	93.906	..	..	..	..	4	32.21	..	..
Sioux Lookout	7	10.02	..	..	..	..	9	8.89	..	..
Sudbury	23	42.789	..	..	..	..	7	794.908	..	..
Swastika	7	353.082	..	..	..	..	6	87.034	..	..
Tweed	4	32.239	..	..	..	..	4	91.84	1	50.0
White River	4	187.46	..	..	..	..	6	146.405	..	..
Totals	111	1122.875	..	..	2	1.55	113	2747.810	10	217.765

LICENCES OF OCCUPATION

The fiscal year ending March 31st, 1970.

Administrative District	Licences		Cancellations	
	No.	Acres	No.	Acres
Chapleau	1	14.342	..	..
Cochrane	..	..	2	2.308
Fort Frances	1	55.0	1	55.0
Geraldton	1	0.40	2	0.35
Kapuskasing	1	..	1	0.74
Kemptville	3	2.368	..	..
Kenora	2	2.08	4	335.88
Lake Erie	20	1.278	2	0.095
Lake Huron	1	0.67	..	..
Lake Simcoe	7	18.7465	4	2.561
Lindsay	3	13.576	2	0.58
North Bay	1	0.89	3	1.73
Parry Sound	8	323.169	5	4.635
Pembroke	1	4.70	3	6.272
Port Arthur	2	100.97	1	3.67
Sault Ste. Marie	8	306.642	3	897.37
Sioux Lookout	2	2.54	1	27.60
Sudbury	2	284.64	7	343.374
Swastika	2	0.685	..	..
Tweed	1	..	3	6.0
White River	1	1.507	..	..
Totals	67	1134.2035	44	1688.165

LEASES

The fiscal year ending March 31st, 1970.

Administrative District	Leases		Cancellations	
	No.	Acres	No.	Acres
Chapleau	..	..	1	9.44
Cochrane	2	59.57	..	..
Fort Frances	1	11.07	..	..
Geraldton	1	3.18	2	7.873
Kapuskasing	3	10.24	..	..
Kenora	10	22.074	4	16.072
Lake Erie	45	7.41	45	7.920
Lake Huron	3	69.99	..	..
Lake Simcoe	1	1.47	..	..
North Bay	6	23.26	11	17.348
Parry Sound	..	..	1	14.41
Pembroke	13	15.358	15	20.85
Port Arthur	1	3.66	..	..
Sault Ste. Marie	5	82.777	2	8.26
Sioux Lookout	1	8.26	1	1.90
Sudbury	6	20.808	1	3.37
Swastika	2	7.54	..	..
White River	1	2.066	2	102.01
Totals	101	348.733	85	209.453

LAND USE PERMITS ISSUED FROM APRIL 1st, 1969 to March 31st, 1970.

Administrative District	Hunt Camp No.	Hunt Camp Acres	Trapper's Camp No.	Trapper's Camp Acres	Residence No.	Residence Acres	Agricultural No.	Agricultural Acres	Marsh Hay No.	Marsh Hay Acres	Mill Site No.	Mill Site Acres	Sugar Bush No.	Sugar Bush Acres	Boat Houses No.	Boat Houses Acres	Miscellaneous No.	Miscellaneous Acres	Dept. Houses No.
Chapleau.....	62	65.10	62	53.50	52	27.25	..	..	..	..	19	279.20	..	..	2	0.10	28	804.85	..
Cochrane.....	103	83.05	12	8.75	28	28.0	3	25.0	2	35.0	3	22.0	..	..	4	3.40	23	2,608.0	..
Fort Frances....	13	9.75	24	19.27	3	2.25	..	..	1	25.0	5	27.0	..	..	26	4.75	22	812.30	..
Geraldton.....	47	37.50	19	22.5	35	35.333	..	..	..	..	2	31.0	..	..	9	2.65	49	9,369.25	..
Kapuskasing.....	26	11.50	6	3.0	6	3.0	2	40.0	3	70.0	1	5.0	..	..	2	0.50	13	826.75	..
Kemptville.....	71	33.49	15	9.0	7	7.333	4	796.0	5	74.0	3	94.75	..	..	2	0.02	53	2,250.1	..
Kenora.....	12	11.0	20	27.0	10	7.50	2	5.5	5	118.0	13	52.5	..	..	12	1.6	68	1,092.7	..
Lake Erie.....	..	..	..	..	15	7.50	3	105.0	..	..	..	..	..	..	75	7.5	1	1.0	..
Lake Huron.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Simcoe.....	3	3.0	..	..	3	3.0	..	..	3	220.0	..	..	..	..	12	1.25	11	41.75	19
Lindsay.....	228	221.50	..	..	5	5.0	1	50.0	1	20.0	..	..	10	0.9	2	0.25	16	49.52	..
North Bay.....	74	175.50	5	3.50	16	12.75	5	263.0	3	45.0	6	30.0	1	50.0	31	3.90	37	2,376.85	..
Parry Sound.....	395	392.50	6	6.0	10	6.40	..	..	2	25.0	2	10.0	1	50.0	22	2.40	48	5,917.02	..
Pesabroke.....	239	236.0	..	..	11	6.80	..	..	..	..	11	222.13	..	..	3	0.20	10	131.003	..
Port Arthur.....	19	14.27	5	20.0	4	3.50	..	..	..	..	..	..	..	..	2	0.25	16	407.22	..
Sault Ste. Marie.	73	72.79	39	38.0	2	0.85	4	116.0	..	..	7	44.0	1	50.0	4	3.336	24	1,365.51	..
Sioux Lookout...	36	34.50	77	67.25	505	407.20	2	2403.0	..	..	3	12.5	..	..	4	2.25	71	1,234.636	4
Sudbury.....	303	302.50	29	29.0	34	29.0	3	8.0	13	732.0	11	223.0	3	150.0	85	8.60	35	4,526.66	..
Swastika.....	57	56.50	4	3.0	25	23.0	10	92.50	2	50.0	6	46.0	..	..	11	1.10	25	612.50	..
Tweed.....	399	395.95	..	..	3	4.0	..	..	4	84.0	2	10.0	..	..	12	2.10	22	305.16	28
White River.....	9	6.0	33	9.37	7	3.96	..	..	..	..	..	..	..	..	68	5.70	35	861.452	..
TOTALS.....	2169	2162.4	356	319.14	781	623.626	39	3904.0	44	1498.0	94	1109.08	16	300.90	388	51.856	607	35,594.231	51

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20, 20A*	Territorial Series	Electoral 33A	Misc.	Total	Provincial Topographical Series	National Topographical Series	Grand Total
1947	3,650	7,378	141	5,475	16,644	.....	10,535	27,179
1948	1,975	7,373	25	1,774	11,147	.....	11,215	22,362
1949	4,800	8,169	169	3,391	16,529	.....	15,241	31,770
1950	1,896	7,560	152	6,827	16,435	.....	17,013	33,448
1951	2,814	6,730	61	4,453	14,058	.....	21,435	35,493
1952	2,096	9,426	311	4,509	16,342	3,925	20,214	40,481
1953	1,990	8,156	207	5,271	15,624	2,242	30,310	45,934
1954	2,734	9,254	64	5,976	18,028	9,596	24,863	52,487
1955	3,045	12,137	250	9,832	25,264	14,223	34,060	73,547
1956	2,113	10,475	839	2,712	16,139	12,928	35,676	64,743
1957	2,212	11,687	190	13,845	27,934	16,036	33,977	77,947
1958	1,831	12,592	126	2,726	17,275	17,720	44,323	79,323
1959	2,435	9,071	259	11,310	23,075	21,458	47,329	91,862
1960	1,285	9,728	320	9,543	20,876	25,357	43,534	89,767
1961	1,333	6,906	142	8,435	16,816	26,111	36,993	79,920
1962	2,523	10,755	503	19,084	32,865	33,018	45,848	111,731
1963	1,194	11,215	193	9,517	22,119	21,842	47,712	91,673
1964	652	8,255	313	9,503	18,723	9,525	34,160	62,408
1965	651	9,152	257	6,651	16,711	7,060	35,210	58,981
1966	586	9,881	135	14,526	25,128	2,543	39,697	67,368
1967	664	8,654	4,849	13,033	27,200	6,157	40,854	74,211
1968	766	8,443	2,094	12,785	24,088	8,931	49,734	82,753
1969	503	7,826	718	7,140	16,187	19,147	54,479	89,813
1970	712	8,678	1,018	9,507	19,915	28,911	64,205	113,031

RETRACEMENT SURVEYS

In years ending March 31st

Year	MILES
1958	70
1959	50
1960	118
1961	170
1962	325
1963	290
1964	235
1965	321
1966	385
1967	313
1968	280
1969	270
1970	265

INSTALLED CAPACITY IN HORSE-POWER

Of All Plants Under Crown Lease
In years ending March 31st

Year	H. P.
1958	2,767,890
1959	3,796,190
1960	4,327,490
1961	4,380,490
1962	4,500,490
1963	4,500,490
1964	4,654,820
1965	4,673,420
1966	4,861,420
1967	5,049,420
1968	5,273,420
1969	5,441,420
1970	5,777,420

NEW POLICIES

[illegible]

NEW POLICIES

[illegible]

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957, and Chief, Law Branch, on July 28, 1966.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$25.60 per square mile is the same as the fire protection charge on Crown timber licensed areas.

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; frogs; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

LAW BRANCH

Chief: G. H. FERGUSON, Q. C.

SOLICITORS:

W. E. D. Peters
W. J. Obelnycki
D. G. Searle
L. A. Lowe

PATENTS OFFICE

Supervisor: A. E. B. Armstrong

SECRETARY

Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27, 1961).

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

THE FRESHWATER FISH MARKETING ACT (ONTARIO), 1968-69 complements the Freshwater Fish Marketing Act (Canada). Through these Acts and the federal-provincial agreement, the Freshwater Fish Marketing Corporation established under the Federal Act is the sole purchaser of commercial fish, as defined in the Federal Act, taken in that part of Ontario designated in the regulations, i.e., that part of Ontario westerly of longitude 86° except the Territorial District of Rainy River but including that part of Lake of the Woods in the Territorial District of Rainy River. Sales to and purchases by persons for their own consumption or for consumption by persons or animals in the course of the purchaser's business are excepted. The Act came into force on August 1, 1969.

THE FISHERIES LOANS ACT, 1970, provides for loans to persons carrying on the business of commercial fishing or any other business dependant in whole or in part on the taking of fish from waters in which such taking has been prohibited by reason of the contamination of fish resulting from pollution of the water. Provision is made for federal-provincial agreements respecting the sharing of such loans. This Act came into force on April 20, 1970.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT, 1968 applies to the 20 fire districts set up by regulation. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season (to start fires in a fire district) except for fires set out for cooking or warmth, and to ignite fireworks in or within 1000 feet of a forest or woodland. Work permits are required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc., in or within 1000 feet of a forest or woodland. Areas may be established as restricted fire zones in which fires will be restricted to portable stoves and barbecues or as restricted travel zones in which a permit will be required except on public roads, cities, towns, villages, police villages, supervised camping grounds and waters adjacent thereto or emergency areas in which the Minister may make orders for the safety and evacuation of persons. The Minister may enter into agreements with Canada, any province, any federal or provincial agency and a municipality respecting the prevention and control of forest fires. The regulations establish fire precautions. This Act came into force on April 1, 1969.

THE FOREST TREE PEST CONTROL ACT, 1969 provides for the control of outbreaks of forest tree insects and diseases on private lands. This Act came into force on April 1, 1969.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots; (5) The administration of roads on Crown lands including the designation of public forest roads and agreements with occupiers of private forest roads respecting the use by the public of private forest roads.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment. His decision is subject to appeal to a judge of the Supreme Court.

THE SURVEYORS ACT, 1968-69 deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management. This Act came into force on January 1, 1970.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene,

Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste Marie, Southampton, Toronto, Whitby and Windsor.

THE ONTARIO GEOGRAPHIC NAMES BOARD ACT, 1968. This Act provides for the establishment of a geographic names board for Ontario having the duty to gather information respecting names of places and geographical features, make recommendations thereon, collaborate with the Canadian Permanent Committee on Geographic Names and provide information to government departments, etc. The Minister may approve a recommended name and thereupon it shall be used by all government departments and agencies in the preparation of maps and other publications. This Act came into force on April 1, 1969.

THE BEDS OF NAVIGABLE WATERS ACT (Sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

OPERATIONS BRANCH

THE LOGGERS' SAFETY ACT, 1962-63, establishes safety standards in logging operations, requires returns and provides for penalties.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O.P.P. in a provincial park. Advisory committees for one or more provincial parks may be appointed by the Minister with the approval of the Lieutenant Governor in Council.

Parks may be classified as a natural environmental park, a nature reserve park, a primitive park, a recreational park, a wild river park or otherwise and may be zoned with controlled use in zones.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interest existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$10.00 for the season. Campsite charges are \$2.50 per day. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.) Overnight camping charges are \$1.00 per day or \$5.00 for two weeks on unorganized campsites in park interior.

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Under this Act, which was passed on March 26, 1959, 39 areas are set apart by the regulations.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown Timber on the licensed area when tenders are called, or in a salvage operation, or where the stumpage charges are less than \$2,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a license is granted to him to fill his requirements for an operating season.

Basic Crown dues, forest protection charges and management charges are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides, that with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODLANDS IMPROVEMENT ACT, 1966, provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides a lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada, \$ 500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.
- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH

By an exchange of letters of the Deputy Minister of Lands and Forests dated May 7, 1968 and the Deputy Minister of Forestry dated May 24, 1968, it was agreed that the forestry research projects of the departments would be co-ordinated through the planning of a committee to be known as the Canada-Ontario Joint Forestry Research Committee whose terms of reference are to co-ordinate the planning of the forestry research programmes of the Ontario Regional Establishment of the federal department and the Research Branch of the provincial department by reviewing the needs of forest management in Ontario and by recommending appropriate research programmes to be undertaken by the two research organizations and to co-ordinate the execution of forest research programmes of the two organizations by reviewing the progress of approved programmes and by facilitating their conduct. Each Deputy Minister will appoint up to four members. The committee should elect a chairman and establish its rules of procedure and establish a two-member executive, one from each department, to expedite action on the recommendations of the joint committee. The committee also has authority to establish an advisory committee with representatives from the forest industry, universities and other appropriate agencies.

An agreement dated January 9, 1970 between Canada (Minister of Fisheries and Forestry) and Ontario (Ministers of Lands and Forests and Public Works), replaced and superceded the existing agreement on forest research dated January 31, 1963. Ontario agreed to lease to Canada the Forest Insect Laboratory at Sault Ste. Marie for a further term of five years from April 1, 1970 and it was agreed that any equipment in the Laboratory of Forest Pathology at Maple not removed by Canada prior to October 31st, 1968 become the property of Ontario.

5. WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by agreements dated 28th October, 1960, and 12th July, 1967.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$145 a month subject to deductions for non-reporting of weather observations.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

Negotiations have been commenced with a view to securing a renewal of the permission to use the road right-of-way for a further term of ten years.

7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

By an agreement dated May 12, 1970 between the Minister of Lands and Forests and the Minister of Indian Affairs and Northern Development the agreement dated January 24, 1962 was amended with respect to expenditures and sources of funds for certain projects set out in the budget for the period commencing April 1, 1970 and ending March 31, 1971.

8. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional Lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have prior approval of the the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from lands are received by the Minister and on termination or expiry of the expenses less the revenues, without interest. If there is an excess, it shall be paid of the Commission without interest. The agreement is to be reviewed following April 1, 1963 and every second year thereafter.

9. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters between the Minister of Fisheries dated October 23rd, 1967 and the Minister of Lands and Forests dated November 7th, 1967, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed to amend the existing areas of responsibility for fisheries research in the Great Lakes as follows:

Canada will assume the responsibility for:

1. Lamprey research and control programmes in the Great Lakes.
2. Such studies in Ontario waters as may be recommended by the Federal-Provincial Committee for Ontario Fisheries, subject to availability of personnel and funds.
3. A general research programme on eutrophication.

4. Technological research related to the development of new products and of new techniques for handling, packaging, preparing, and storing freshwater fisheries products.
5. Economic studies of Ontario fisheries upon request by provincial authorities, subject to the limitations of staff and budget.
6. The administration of federal fish inspection legislation within the Province and assist the provincial authorities in the administration of provincial fish inspection regulations.

Ontario will assume responsibility for:

1. General fisheries research in support of its fisheries management responsibilities in all Ontario waters.
2. Co-operation with the federal programme on eutrophication by making small lakes available for experimental work if mutually satisfactory arrangements can be made. The research required to provide solutions to local eutrophication problems in specific waters will remain the responsibility of Ontario.
3. Gathering, summarizing and analyzing sport and commercial fisheries statistics.
4. Fish culture programmes in the province (professional and technical officers of the Federal Government competent in this field will be made available for consultation or assistance upon request).

Canada agreed to co-operate with Ontario on a cost-sharing basis in projects proposed by Ontario in developments of the industrial fishery such as exploratory fishing, gear and boat development, fish farming, handling, processing and distribution or marketing of fisheries products; on the basis that priorities are considered by the Industrial Development Subcommittee and funds are available.

By an agreement dated February 25, 1970 between the Minister of Lands and Forests (Ontario) and the Minister of Fisheries and Forestry (Canada), Ontario agreed to construct a sea lamprey control and fish management structure on the Saugeen River near the Town of Southampton in the County of Bruce. The structure is to be operated by Ontario and the cost of construction was shared equally by Canada and Ontario.

By an agreement dated June 1, 1970 between the Minister of Transport (Canada) and the Minister of Lands and Forests (Ontario), Canada granted to Ontario permission to occupy and use certain lands and harbour facilities at Port Dover, Ontario for a period of five years from January 1, 1970 as a site for a Fisheries Research Unit.

10. TECHNICAL AND VOCATIONAL TRAINING.

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified

qualifications and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.

11. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

12. PREVENTION AND CONTROL OF FIRES ON INDIAN RESERVES

An agreement dated the 24th day of June, 1968 between Ontario as represented by the Minister of Lands and Forests and Canada as represented by the Minister of Indian Affairs and Northern Development, Ontario will continue to provide the same prevention and detection services to Indian reserves as are provided to adjacent public lands. Canada shall pay to Ontario on or before May 1st in each year 4¢ for each protected acre. This agreement is subject to five-year reviews.

13. RE-CONSTRUCTION OF CRAB LAKE DAM

By an agreement dated October 15, 1968, between Canada as represented by the Minister of Transport and Ontario as represented by the Minister of Lands and Forests, Canada was given a right to re-construct or re-build the dam on Crab Lake in Sherborne Township to an elevation of eleven feet six inches above the sill of the old dam, i.e., ten feet above the sill of the new dam. Canada has the right to regulate the dam and Ontario agreed to indemnify Canada against claims arising out of the raising of the waters to not more than ten feet above the sill of the new dam.

14. FRESHWATER FISHERIES

By an agreement dated August 11, 1969 between Canada as represented by the Minister of Fisheries and Forestry and Ontario as represented by the Minister of Lands and Forests, Ontario agreed to grant authority to the Freshwater Fish Marketing Corporation to exercise powers of regulation in relation to the marketing of commercial fish taken in the part of Ontario designated in regulations made under The Freshwater Fish Marketing Act (Ontario), 1968-69. Ontario agreed to pay not more than \$5000 in respect of the initial operating and establishment expenses of the corporation. Ontario also agreed to pay Canada 5% of any losses incurred by Canada from guarantees given by Canada to banks of fishermen's loans and from loans made directly by Canada. Ontario also undertook to make arrangements to pay the owner of any plant or equipment in the designated area used in storing, processing or otherwise preparing fish for market, compensation for any such plant or equipment that will or may be rendered redundant by reason of any operations authorized to be carried out by the corporation.

15. OWNERSHIP OF THE BED OF THE WELLAND RIVER IN THE VILLAGE OF PORT ROBINSON

By an exchange of letters between the Deputy Minister of Lands and Forests and the President of the St. Lawrence Seaway Authority, dated January 14 and February 4, 1970, respectively, it was agreed that the portions of the bed of the Welland River being Parcel 2 on Plan M8 and Parcel 48 on Plan M10 in the Land Titles Office for the County of Welland are owned by the authority and Lot 51 on Plan M7 in the Land Titles Office is owned by the province. It was further agreed to exchange the bed of the diversion of the river for the bed of the diverted portion of the river upon the completion of the diversion.

16. ADMINISTRATION AND CONTROL OF A PORTION OF THE BED OF THE WELLAND RIVER

By an agreement dated July 15, 1969 between Canada as represented by the Minister of Transport and Ontario as represented by the Minister of Lands and Forests, Canada and Ontario agreed that Ontario has the administration and control of certain lands comprising a portion of the bed of the Welland River in the townships of Crowland, Thorold and Willoughby and the City of Niagara Falls in the County of Welland.

17. LOANS TO COMMERCIAL FISHERMEN

By agreements dated April 28, 1970 and August 11, 1970 between Ontario as represented by the Minister of Lands and Forests and Canada as represented by the Minister of Fisheries and Forestry, programmes were established for the making of loans to persons engaged in commercial fishing in Lake St. Clair, the St. Clair River and the Detroit River and to persons engaged in commercial fishing in the waters of Ontario other than in Lake St. Clair, St. Clair River and Detroit River, respectively, where the taking of fish for commercial use has been prohibited by reason of unacceptable levels of mercury compounds in fish. Provision is made for the establishment of Committees to implement the programmes and for the sharing of the cost of the programmes by Canada and Ontario on an equal basis.

NEW POLICIES

OPERATIONS BRANCH

At the re-organization of the Department in June, 1941, the Division of Operation and Personnel was established as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

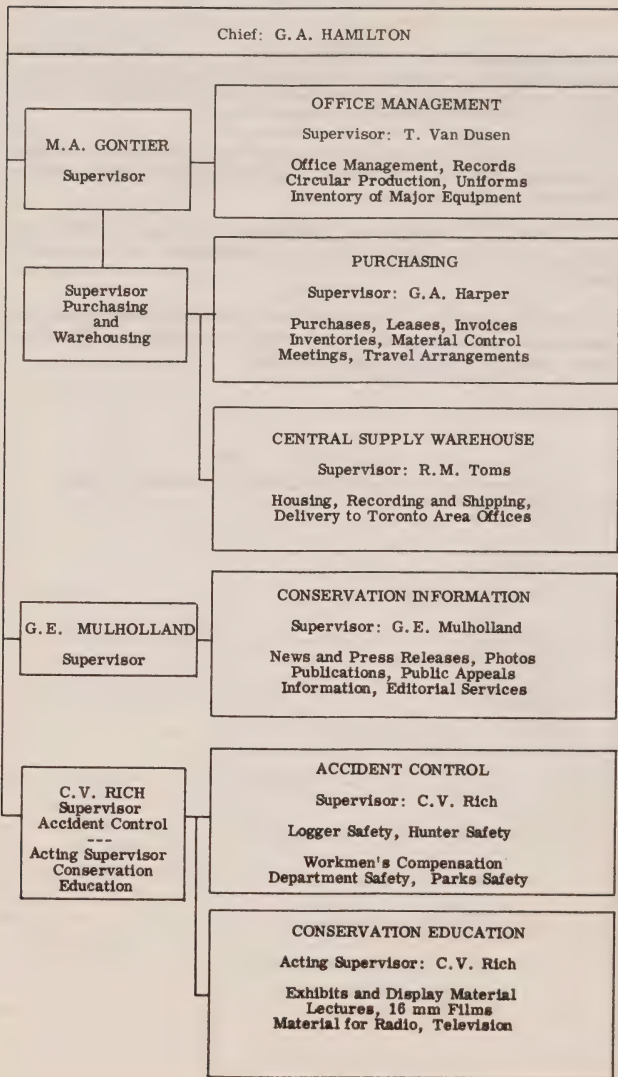
P. O. Rhynas was transferred from the Department of Labour to organize an efficient concentration of services as Chief of the new Division.

Operations was formed as a Division on December 1, 1957, with the separation of Personnel, and re-named Branch on December 1, 1959.

The sixth section, Accident Control, was formed when the Department assumed responsibility for the administration of The Loggers' Safety Act on November 20, 1964.

G.A. Hamilton was appointed Chief on February 1, 1969.

OPERATIONS BRANCH



HUNTER SAFETY TRAINING PROGRAM*

Year	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		
	at December 31	Yearly	To Date	Non Fatal	Fatal	Total
1957	369	281	281	...	..	...
1958	1,433	1,668	1,949	...	..	...
1959	2,690	2,780	4,729	...	..	...
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965	3,075	17,577	102,611	100	11	111
1966	2,500	19,342	121,953	117	13	130
1967	1,741	16,349	138,302	99	13	112
1968	904	9,645	147,947	86	10	96
1969	1,142	12,957	160,904	116	13	129
1970	1,137	13,075	173,979	70	8	78

CAUSES OF ACCIDENTS IN 1970

	Number of Accidents	% Age of Total
HUNTER'S JUDGEMENT:		
Victim mistaken for game.....	9	11-1/2
Victim out of sight of shooter.....	17	22
Victim covered by shooter swinging on game.	5	6
Victim moved into line of fire.....	2	3
Sub-Total.....	33	42-1/2
SKILL AND APTITUDE:		
Shooter tripped or stumbled.....	11	14
Trigger caught on brush, clothing, etc.....	9	11-1/2
Loading firearm.....	1	1
Unloading firearm.....	4	5
Sub-Total.....	25	31-1/2
VIOLATING LAW OR SAFETY RULE:		
Clubbing cover or game.....	1	1
Removing from or placing in vehicle.....	0	0
Riding with loaded firearm.....	0	0
Firearm fell from insecure rest.....	2	3
"Horseplay".....	1	1
Improper crossing of obstacles.....	3	4
Sub-Total.....	7	9
MECHANICAL FAILURE:		
Defective firearm.....	2	3
Other or Unknown cause.....	11	14
Sub-Total.....	13	17

*Mandatory for new hunters since September 1st, 1960.

WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944	\$	\$	\$	\$ 12,850	98	\$...
1945	.....	.....	.....	14,540	120	...
1946	.....	.....	.....	14,249	129	...
1947	.....	.....	.....	21,560	182	...
1949	.....	.....	.....	35,989	494	...
1950	.....	.....	.....	50,989	501	...
1951	.....	.....	.....	43,951	394	...
1952	.....	.....	.....	54,158	368	...
1953	.....	.....	.....	51,169	417	65
1954	.....	.....	.....	64,693	494	78
1955	.....	.....	.....	63,357	455	69
1956	.....	.....	.....	106,962	910	78
1957	.....	.....	.....	85,159	588	80
1958	.....	.....	.....	101,376	727	77
1959	.....	.....	.....	132,572	874	98
1960	.....	.....	.....	150,709	687	139
1961	.....	.....	.....	130,210	649	106
1962	16,531	.....	.....	120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96
1966	2,433	11,382	2,489	144,673	567	118
1967	3,083	19,026	9,396	171,315	588	159
1968	8,257	27,876	9,292	216,785	716	200
1969	1,309	26,236	10,141	248,381	759	187
1970	2,057	13,708	18,319	225,320	754	148

*Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

ILLUSTRATED PUBLIC LECTURES in years ending March 31st.

YEAR	MEETINGS			ATTENDANCE				Average Attendance
	School	Public	OFA*	Total	School	Public	OFA*	
1946-55	7,748	9,177	3,995	20,920	756,384	797,858	580,714	102
1956	1,076	1,402	703	3,181	90,540	107,746	56,394	80
1957	1,261	1,710	674	3,645	93,672	127,174	68,758	79
1958	972	1,708	538	3,218	67,013	97,334	68,832	72
1959	831	2,196	409	3,436	68,146	124,703	40,430	68
1960	1,094	2,715	484	4,293	92,794	158,682	61,056	73
1961	1,026	3,198	401	4,625	80,015	187,686	48,756	68
1962	808	2,533	406	3,747	63,957	164,119	58,442	76
1963	771	2,266	374	3,411	60,788	165,017	46,860	80
1964	877	2,095	398	3,370	72,773	159,968	42,267	82
1965	949	2,165	220	3,334	91,184	145,965	15,915	76
1966	1,091	1,694	297	3,082	100,555	120,492	19,721	78
1967	786	1,790	1,069	3,645	81,389	128,113	29,965	66
1968	892	1,380	836	3,108	96,371	113,423	29,254	77
1969	855	1,308	987	3,150	89,970	137,069	21,175	78
1970	776	1,382	885	3,043	64,528	115,779	23,337	67
Total:	21,813	38,719	12,676	73,208	1,970,079	2,851,128	1,211,876	82
								6,033,083

*Lectures given by Ontario Forestry Association.

INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

Years Ending 31st March	No. Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	* Letters of		ADVERTISEMENTS		Tons of Supp- lies	PRINTED MATERIAL		
					Enquiry Answered	Adminis- tration	Conser- vation	PUBLI- CATIONS		Licences	Parks Permits	Publi- cations
1947	25	.....	.....	8	4,200	508	65	53	...	.....	.....	.....
1948	26	.....	.....	13	6,900	...	..	53	...	.....	.....	.....
1949	28	.....	.....	15	7,700	130	57	72	150	701,450	.....	.....
1950	28	.....	1,800	38	8,065	60	44	72	160	774,470	.....	.....
1951	38	.....	1,800	64	7,200	127	43	72	170	802,900	.....	.....
1952	56	.....	1,800	64	8,100	57	39	56	175	868,300	.....	.....
1953	73	750	2,100	68	9,000	74	27	55	176	910,480	.....	.....
1954	89	750	1,800	75	9,000	57	36	72	200	1,005,000	.....	.....
1955	119	750	3,500	75	7,000	103	45	77	470	1,055,299	.....	.....
1956	159	1,000	4,500	75	8,400	99	55	74	...	1,120,654	.....	.....
1957	178	1,500	6,000	75	10,800	112	53	82	488	1,154,000	.....	.....
1958	208	1,500	9,000	75	14,600	93	52	79	350	1,212,920	271,600	.....
1959	226	1,800	9,200	75	21,010	139	54	76	218	1,279,067	300,000	1,941,819
1960	226	1,900	9,000	75	26,000	140	55	83	377	1,260,917	300,000	2,124,688
1961	234	2,000	9,000	75	29,200	50	49	86	308	1,363,712	689,000	1,155,151
1962	250	3,000	9,000	75	30,000	52	44	89	253	1,392,043	825,900	1,196,414
1963	260	3,700	9,000	75	30,300	150	50	84	228	1,432,902	1,000,850	1,442,523
1964	260	3,800	9,200	75	32,000	178	50	72	247	1,542,810	1,057,730	1,918,841
1965	255	3,800	9,200	75	33,000	161	50	73	246	1,581,980	1,125,725	2,211,227
1966	255	4,200	9,500	75	34,500	146	30	77	217	1,669,084	1,058,325	2,082,753
1967	233	4,700	9,500	75	35,300	228	30	80	...	1,756,000	851,800	2,281,501
1968	255	5,200	9,500	80	35,900	225	20	79	244	2,000,000	851,800	3,079,264
1969	257	5,500	9,500	80	36,200	171	20	87	260	2,100,000	851,700	3,273,517
1970	276	7,000	9,500	80	36,500	...	16	91	277	2,400,000	998,900	3,384,625

*Information supplied by mail.

LANDS AND FORESTS PUBLICATIONS

as of December 31, 1970

(Technical papers, management reports, training manuals and information leaflets are not included.)

Code

FW		FISH AND WILDLIFE	
1	Sport Fishes of Ontario (wall chart)	\$ 1.00	
2	Commercial Fishing in Ontario		
3	Wildlife Land Management for Ontario Landowners		
4	Summary of the Ontario Regulations which apply to Trapping and Fur Dealing		
5	Fur in Ontario		
6	Meet the Wildlife of Ontario's Outdoors	0.35	
7	The Fisheries of Lake Simcoe	1.00	
8	The Game and Fish Act and the Ontario Fishery Regulations		
9	Summary of the Ontario Fishery Regulations		
10	Summary of the Ontario Big Game Hunting Seasons		
11	Wolves and Coyotes in Ontario		
12	Summary of the Ontario Hunting Regulations		
13	The White-Tailed Deer in Ontario		
14	The Lake Sturgeon		
15	Ontario Snakes		
16	Fishes of Ontario	2.50	
OR		OUTDOOR RECREATION	
1	The Ontario Outdoorsman's Manual	0.25	
2	Let's Go Fishing		
3	Hunter's Handbook, Part I	0.50	
4	Hunter's Handbook, Part II	0.75	
5	How to Qualify for a Hunting Licence in Ontario		
6	The Ten Commandments of Hunter Safety		
7	Why Hunter Safety Training?		
8	How to Survive in the Woods		
9	Leave Nothing Behind But		
PP		PROVINCIAL PARKS	
1	Provincial Parks of Ontario		
2	Algonquin Provincial Park		
4	Canoe Routes---Quetico		
5	Quetico Provincial Park		
7	Canoe Routes---North Georgian Bay Recreational Reserve		
F		FORESTS	
1	The Forest Trees of Ontario	0.50	
2	Hardwood Trees of Ontario with Bark Characteristics	0.50	
3	The Forest Resources of Ontario		
4	Growing Christmas Trees in Ontario		
5	Farm Forestry Service for You		
6	Forestry Assistance to Private Landowners in Ontario		
7	Planning for Tree Planting		
8	Care and Planting of Forest Trees		
9	The Farm Woodlot.	0.50	
10	The Farm Windbreak		
11	Forest Tree Planting	0.50	
12	The Crown Timber Act, etc.		

FP	FOREST PROTECTION		
2	Tower Jack		
3	The Forest Fires Prevention Act		
FI	FOREST INDUSTRY		
1	Lumber in Ontario		
5	Directory of Primary Wood-Using Industries in Ontario		
6	Manual of Scaling Instructions		
7	The Loggers' Safety Act		
8	A Condensation of the Report of the Forestry Study Unit, 1967		\$1.50
9	Directory of Secondary Wood-Using Industries in Ontario		
LW	LAND AND WATER		
2	Geographic Townships in the Province of Ontario		\$0.50
3	Ontario Resources Atlas (maps in Colour)		1.00
4	Summer Cottage Lands in Ontario		
5	Price List of Lithographed Maps and Plans		
6	The Ontario Map Catalogue		
R	RESEARCH		
1	The Glackmeyer Report of Multiple Land-Use Planning		\$4.00
2	Manual of Common Parasites, Diseases and Anomalies of Wildlife in Ontario		4.00
3	The Ecology of the Timber Wolf in Algonquin Provincial Park		
4	Common Parasites of Ontario Fishes		
A	ADMINISTRATION		
1	Annual Report of the Minister of Lands and Forests		
2	Statistics		
4	Ontario Junior Forest Ranger Programme		
5	Publications		
6	Does Nature Have A Chance ?		
H	HISTORY		
1	Algonquin Story		\$2.50
6	Fifty Years of Reforestation in Ontario.		0.50
9	Brochure on "Renewing Nature's Wealth"		
FDH	FOREST DISTRICT HISTORIES		
1	Kapuskasing	9 Lake Erie	17 Kemptville
2	Geraldton	10 Kenora	18 Lindsay
3	Lake Huron	11 Gogama	19 Tweed
4	Port Arthur	12 Parry Sound	20 Sault Ste. Marie
5	White River	13 North Bay	21 Sudbury
6	Sioux Lookout	14 Cochrane	22 Pembroke
7	Lake Simcoe	15 Swastika	
8	Fort Frances	16 Chapeau	

RENEWING NATURE'S WEALTH, a Centennial History of the Public Management of Lands, Forests and Wildlife in Ontario, was published by the Department of Lands and Forests in 1967. It may be purchased at \$9.50 per copy at book stores or from the distributors: Copp Clark Publishing Company, 517 Wellington Street West, Toronto 135, Ontario.

PARKS BRANCH

Algonquin, the first Provincial Park in Ontario, was established in 1893. The Division of Parks was established within the Department of Lands and Forests on October 1, 1954, and renamed Parks Branch in 1959. W.B. Greenwood was the first Chief. He was succeeded by A.B. Wheatley on April 1, 1961, and by D.R. Wilson on May 1, 1965.

P. Addison was appointed Chief on January 1, 1967.

In 1965, the Branch was enlarged and re-organized into three sections: Recreational Planning, Park Planning and Development, and Park Management.

In 1967, the responsibility for water access points, wilderness areas, canoe routes and hiking trails was transferred from Lands and Surveys Branch to Parks Branch. The establishment and maintenance of boat launching and vehicle parking facilities on Crown lands (outside Provincial Parks) ensures public access to many major water systems; it supplements similar facilities within Provincial Parks.

A park classification and park land zoning system was adopted in 1967.

The five park classes are Primitive, Natural Environment, Wild River, Recreation, and Nature Reserve.

The five zones are Primitive, Natural, Multiple Use, Historical, and Recreational.

Polar Bear, the first Primitive park, was established in 1969.

A Nature Reserve Program was introduced and a Minister's Advisory Committee was appointed on March 7, 1969, to assist the Branch with this program.

Waterfowl hunting is provided in Darlington, Holiday Beach, Long Point, Presqu'ile, and Rondeau Provincial Parks.

Pheasant hunting, on a put-and-take basis, is provided in Darlington, Earl Rowe, Point Farms, and Sibbald Point Provincial Parks.

Moose and deer hunting are permitted in season in Bruton and Clyde Townships in Algonquin and in Lake Superior Provincial Park.

Winter programs, including camping, were carried on at Arrowhead and Sibbald Point for the first time in 1970. The Pinery winter program was expanded and made fully operational.

The program of documenting, mapping and improving portages on major canoe routes was continued to provide canoeing opportunities outside Provincial Parks.

PARKS BRANCH

Chief: P. ADDISON

PARK MASTER PLANNING
Planner and Co-ordinator: T. Lee

RECREATIONAL PLANNING
Supervisor: J.W. Keenan
Long Range Planning for Parks and Related Public
Recreational Areas and Activities
Establishment of Parks and Park Reserves
Land Acquisition

PARKS PLANNING AND DEVELOPMENT

Supervisor: R.H. Hambly
Site Planning - Facility Design
Park Development

PARK MANAGEMENT

Supervisor: W.H. Charlton
Standards of Park Operation
Supervision of Operating Expenditures
and Revenue

Interpretive Programs
Nature Reserve Programs
Park User Statistics
Programs on Public Lands
Canoe Routes, Hiking Trails
Access Points, Wilderness Areas

Secretary to
ONTARIO PARKS INTEGRATION BOARD
C. R. Tilt

PUBLIC USE OF PROVINCIAL PARKS

Year	Camper-Days	Campers	Wilderness Campers	Vehicles	Total Visitors
1957	.....	116,000	.....	629,666	2,114,661
1958	.....	196,000	16,309	927,871	3,232,460
1959	.....	340,000	50,403	1,420,180	5,127,199
1960	.....	421,000	35,778	1,552,662	5,692,978
1961	.....	613,000	57,992	1,725,876	6,215,370
1962	.....	750,000	46,753	2,182,363	7,820,994
1963	.....	840,491	49,372	2,373,223	8,526,443
1964	.....	916,281	49,112	2,537,483	9,147,218
1965	2,495,284	902,472	53,653	2,437,988	8,875,668
1966	2,653,055	994,787	52,722	2,738,664	9,791,671
1967	2,805,123	1,155,091	49,957	2,817,362	10,192,533
1968	2,457,801	1,119,912	59,377	2,588,242	9,440,211
1969	2,956,214	1,360,639	51,522	2,946,228	10,459,936
1970	3,524,322	1,531,528	*56,000	3,468,758	12,172,254

*Estimated

ATTENDANCE AT INTERPRETIVE PROGRAMS

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
1946	1	3,436	.....	...	...	3,436
1947	1	5,917	.....	...	...	5,917
1948	1	6,854	.....	...	...	6,854
1950	1	.....	6,173	363	1,230	7,766
1951	1	.....	5,390	413	2,343	8,146
1952	2	200	14,341	752	3,017	18,310
1953	2	53,843	12,761	952	6,311	73,867
1954	3	72,889	18,920	1,353	9,714	102,826
1955	3	75,711	25,388	1,927	8,444	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	216,672	38,771	5,782	23,988	286,213
1960	9	298,129	46,679	6,958	24,296	376,062
1961	8	311,291	46,955	7,104	29,626	394,976
1962	12	374,475	55,553	9,748	47,641	487,417
1963	11	371,275	61,647	10,949	51,143	495,014
1964	12	390,792	80,815	10,458	49,235	531,300
1965	19	326,298	81,462	10,515	51,639	469,914
1966	21	392,403	88,004	11,453	53,161	545,021
1967	23	384,666	117,009	20,421	57,754	579,850
1968	23	420,617	114,731	14,123	121,127	661,598
1969	25	447,565	104,688	19,481	202,363	774,097
1970	26	401,090	121,866	22,643	208,422	754,021

1970 ATTENDANCE

	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
Algonquin.....	229,960	63,489	5,421	116,983	415,853
Arrowhead.....	.....	.....	432	2,811	3,243
Darlington.....	3,589	.....	.....	.....	3,589
Grundy.....	.....	2,951	626	7,707	11,284
Inverhuron.....	32,100	.....	.....	.....	32,100
Killbear Point....	3,000	4,160	1,320	10,775	19,255
Lake Superior.....	.....	17,634	647	4,208	22,489
Petroglyphs.....	15,810	.....	.....	.....	15,810
Pinery.....	14,240	.....	4,950	10,550	29,740
Presqu'ile.....	21,680	4,722	2,092	10,840	39,334
Quetico.....	9,635	3,556	1,033	3,528	17,752
Rondeau.....	21,535	.....	381	3,751	25,667
Serpent Mounds....	22,821	.....	.....	.....	22,821
Sibbald Point.....	21,000	.....	1,025	10,400	32,425
Sibley.....	5,720	3,073	1,291	2,750	12,834
Other Parks.....	.....	22,281	3,425	24,119	49,825
TOTAL.....	401,090	121,866	22,643	208,422	754,021

* GROWTH OF PROVINCIAL PARKS

YEAR	CAMPING		RESERVE AREAS		PROVINCIAL PARKS	
	Parks	Units	No.	Acreage	No.	Acreage
1961	68	10,591	18	201,826	77	3,465,973
1962	72	12,745	14	190,225	81	3,481,158
1963	74	13,951	27	270,503	86	3,696,368
1964	76	14,622	50	559,502	88	3,711,464
1965	80	15,427	55	437,338	89	3,742,160
1966	81	15,922	60	513,112	92	3,747,267
1967	83	16,201	61	530,780	94	3,756,255
1968	83	17,322	71	1,070,886	96	8,425,126
1969	85	18,039	78	1,239,973	97	8,379,596
1970	88	18,296	81	1,236,933	108	10,236,909

*The first eight Provincial Parks were established as follows: Algonquin in 1893; Rondeau, 1894; Quetico, 1909; Long Point, 1921; Presqu'ile, 1922; Ipperwash, 1938; and Lake Superior and Sibley in 1944.

108 PROVINCIAL PARKS IN OPERATION IN 1970

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	Camp Units	Camper Days	Camper Days	Total Visitors
CHAPLEAU							
Five Mile Lake.....	1,010	0. Reg. 167/70	1961	85	8,357	8,357	6,312
Ivanhoe Lake.....	3,000	0. Reg. 346/65	1960	144	18,286	18,286	36,704
Missinaibi Lake.....	157,334	0. Reg. 165/70	1969	39	5,456	5,456	2,293
Wakami Lake.....	5,928	.....	1969	48	1,331	7,090	13,408
TOTAL	167,272	.....	....	316	18,088	39,189	58,719
COCHRANE							
Greenwater.....	10,970	0. Reg. 117/63	1961	52	8,658	8,658	22,862
Kettle Lakes.....	2,417	0. Reg. 117/63	1957	130	20,204	20,204	70,527
Tidewater.....	2,860	0. Reg. 165/70	1965	24	.....	.....	.....
Polar Bear.....	5,952,000	0. Reg. 183/70	....	.....	.....	.....	.....
TOTAL	5,968,247	.....	....	206	13,899	28,862	93,389
FORT FRANCES							
Caliper Lake.....	246	0. Reg. 165/70	1956	93	9,884	13,189	43,185
Lake of the Woods.....	2,673	0. Reg. 245/67	1960	100	6,874	11,593	26,817
Quetico.....	1,148,800	..Est. in 1909	1913	135	25,584	46,299	65,072
TOTAL	1,151,719	.....	....	328	42,342	71,081	135,074
GERALDTON							
Blacksand.....	3,353	0. Reg. 204/60	1960	68	5,732	9,174	16,417
Klotz Lake.....	210	0. Reg. 165/70	1957	33	4,050	4,673	17,964
MacLeod.....	200	0. Reg. 117/63	1957	54	7,230	13,774	45,903
Ney's.....	8,150	0. Reg. 346/65	1963	110	20,202	21,215	62,739
Rainbow Falls.....	1,422	0. Reg. 206/63	1960	199	28,028	31,101	47,573
TOTAL	13,335	.....	....	464	65,242	79,937	190,596

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	Camp Units	Camper Days	Total Visitors
KAPUSKASING						
Nagamisis.....	11,878	0. Reg. 165/70	1960	83	14,428	10,899
Remi Lake.....	7,040	0. Reg. 320/69	1956	90	13,285	72,956
TOTAL	18,918	.....	....	173	27,713	83,855
KEMPTVILLE						
Carillon.....	1,715	0. Reg. 343/66	1970	100	277	4,781
Fitzroy.....	396	0. Reg. 320/68	1961	257	38,609	130,045
Rideau River.....	170	0. Reg. 161/64	1958	188	34,969	203,582
Silver Lake.....	78	0. Reg. 117/63	1956	194	15,474	66,855
South Nation.....	13	0. Reg. 204/60	1956	28	4,668	42,941
TOTAL	2,372	.....	....	767	120,602	448,204
KENORA						
Aaron.....	128	0. Reg. 320/68	1956	70	14,203	49,823
Blue Lake.....	873	0. Reg. 245/69	1956	176	29,052	39,848
Rushing River.....	395	0. Reg. 358/67	1956	165	40,873	118,441
Sioux Narrows.....	320	0. Reg. 144/57	1956	78	10,521	40,654
TOTAL	1,716	.....	....	489	94,649	248,766
LAKE ERIE						
Holiday Beach.....	489	0. Reg. 254/58	1957	56	7,195	221,549
Ipperwash.....	146	--Est. in 1938	1938	266	99,547	237,030
Iroquois Beach.....	342	.....	1970	.....	.....	160,101
John E. Pearce.....	104	0. Reg. 245/67	1957	.....	.....	.....
Long Point.....	849	0. Reg. 144/57	1956	327	50,640	229,206
Pinery.....	5,250	0. Reg. 110/64	1957	1,075	306,884	1,175,373
Port Bruce.....	5	.....	1957	.....	.....	.....
Rock Point.....	192	0. Reg. 320/68	1957	47	7,421	53,338
Rondeau.....	11,454	--Est. in 1894	1894	433	100,691	553,794
Selkirk.....	153	0. Reg. 358/67	1967	168	11,498	60,025
Turkey Point.....	782	0. Reg. 70/59	1959	472	22,431	434,970
Wheatley.....	581	.....	1965	128	24,935	105,726
TOTAL	20,347	.....	....	2,972	631,242	3,231,112

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	Camp Units	Campers	Camper Days	Total Visitors
LAKE HURON							
Craigleith.....	133	0. Reg. 245/67	1956	172	20,553	41,200	62,409
Cyprus Lake.....	1,417	.....	1969	168	11,681	25,274	63,686
Inverhuron.....	545	0. Reg. 245/67	1959	324	22,522	84,391	165,881
Point Farms.....	555	0. Reg. 165/70	1965	235	16,229	39,602	98,225
Seebie Falls.....	427	.....	1955	151	17,376	39,209	143,515
TOTAL	3,077	.....	....	1,050	88,361	229,676	533,716
LAKE SIMCOE							
Bass Lake.....	87	0. Reg. 358/67	1957	153	21,999	45,240	217,901
Devil's Glen.....	72	0. Reg. 346/65	1956	40	4,766	6,292	56,585
Earl Rowe.....	743	0. Reg. 161/64	1960	450	53,682	112,740	366,789
Mara.....	112	0. Reg. 165/70	1965	104	16,072	20,219	97,110
Sibbald Point.....	500	0. Reg. 165/70	1957	725	45,671	124,927	290,777
Six Mile Lake.....	183	0. Reg. 42/58	1960	187	20,054	39,340	145,390
Springwater.....	116	0. Reg. 251/58	1930	.....	.....	.....	76,311
Wasaga Beach.....	297	0. Reg. 179/65	1959	.....	.....	.....	975,631
TOTAL	2,110	.....	....	1,659	156,244	348,758	2,226,494
LINDSAY							
Balsam Lake.....	1,040	0. Reg. 320/68	1963	360	24,879	65,410	98,599
Darlington.....	380	0. Reg. 144/57	1960	400	34,537	49,032	137,990
Emilly.....	157	0. Reg. 154/57	1958	300	18,313	42,700	138,904
Ferris.....	503	.....	1966	.....	.....	.....	.....
Mark S. Burnham.....	100	0. Reg. 48/60	1960	.....	.....	.....	.....
Presque' Isle.....	2,170	--Est. in 1922	1956	500	36,529	68,474	412,952
Serpent Mounds.....	70	0. Reg. 165/70	1958	130	18,516	44,402	198,490
TOTAL	4,420	.....	....	1,690	132,794	270,018	1,001,762
NORTH BAY							
Antoine.....	23	.....	1958	30	692	1,180	3,570
Finlayson Point.....	74	0. Reg. 116/63	1956	126	9,385	23,621	56,873
Marten River.....	1,034	0. Reg. 117/63	1956	216	13,789	29,990	69,086
Sauvel de Champlain.....	5,805	0. Reg. 358/67	1960	224	11,019	18,415	27,953
TOTAL	6,936	.....	....	596	34,885	73,206	157,482

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	Camp Units	Campers	Camper Days	Total Visitors
PARRY SOUND							
Arrowhead.....	1,732	.....	1966	253	14,279	35,720	81,923
Grundy Lake.....	6,310	0. Reg. 70/59	1958	540	35,656	107,182	186,220
Killbear Point.....	3,001	.....	1960	1,018	42,700	220,692	260,253
Mikisew.....	289	0. Reg. 320/68	1959	256	10,166	38,596	64,537
Oastler Lake.....	49	0. Reg. 245/67	1956	183	19,424	52,880	130,122
Restoule.....	1,635	0. Reg. 165/70	1962	225	29,994	37,683	37,683
Sturgeon Bay.....	20	0. Reg. 358/67	1956	87	7,682	25,529	74,791
TOTAL	13,036	.....	....	2,562	136,527	510,593	835,529
PEMBROKE							
Algonquin.....	1,862,400	--Est. in 1893	1893	1,233	107,207	268,011	679,295
Carson Lake.....	15	0. Reg. 2033/57	1956	47	5,685	8,913	6,083
Driftwood.....	655	0. Reg. 117/63	1958	95	6,722	14,302	9,242
Bonnechere.....	254	.....	1967	115	4,754	14,680	10,888
TOTAL	1,863,324	.....	....	1,490	124,368	305,906	705,508
SAULT STE. MARIE							
Batchawana.....	33	0. Reg. 2169/58	1965	.....	.....	.....	36,280
Mississagi.....	7,124	.....	1965	112	5,291	11,354	41,139
Pancake Bay.....	710	0. Reg. 320/68	1958	278	34,302	50,113	149,667
TOTAL	7,867	.....	....	390	39,593	61,467	227,086
STOIX LOOKOUT							
Sandbar.....	7,787	0. Reg. 165/70	1970	48	4,195	5,189	4,332
Ojibway.....	6,130	0. Reg. 346/65	1962	69	2,919	7,630	5,474
Pakwash.....	1,507	0. Reg. 245/67	1962	41	2,233	4,710	9,369
TOTAL	15,424	.....	....	158	9,347	17,529	19,175
SUDBURY							
Chutes.....	270	0. Reg. 165/70	1962	91	20,053	22,568	78,149
Fairbank.....	214	0. Reg. 144/57	1958	132	14,340	22,389	92,780
Killarney.....	84,350	0. Reg. 183/64	1963	160	7,559	29,406	70,321
Windy Lake.....	293	0. Reg. 88/59	1957	76	5,179	15,514	89,148
TOTAL	85,127	.....	....	459	47,131	89,877	330,398

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	Camp Units	Campers	Camper Days	Total Visitors
SWASTIKA							
Esker Lakes.....	7,680	0. Reg. 144/57	1958	136	4,457	13,984	29,725
Kap-Kig-Iwan.....	759	0. Reg. 117/63	1959	64	4,612	9,968	28,127
TOTAL	8,439	.....	....	200	9,069	23,952	57,852
THUNDER BAY							
Inwood.....	82	0. Reg. 251/58	1956	80	17,515	17,845	76,390
Kakabeka Falls.....	1,030	0. Reg. 245/67	1957	155	36,205	39,962	263,598
Middle Falls.....	11	0. Reg. 204/60	1956	20	6,075	6,071	39,504
Sibley.....	60,380	0. Reg. 165/70	1944	250	16,792	31,599	81,787
TOTAL	61,503	.....	....	505	76,587	95,477	461,279
TWEED							
Black Lake.....	99	0. Reg. 117/63	1956	200	13,814	37,331	70,317
Bon Echo.....	16,417	.....	1957	400	27,335	110,446	168,414
Lake on the Mountain.....	256	0. Reg. 144/57	1955	.....	.....	.....	.....
Lake St. Peter.....	61	.....	1967	60	4,315	13,563	21,833
North Beach.....	66	0. Reg. 165/70	1966	.....	.....	.....	81,524
Outlet Beach.....	305	0. Reg. 320/68	1959	482	32,239	119,404	338,401
Sandbanks.....	1,210	0. Reg. 165/70	1962	.....	2,077	4,585	99,184
TOTAL	18,414	.....	....	1,142	79,780	285,329	779,673
WHITE RIVER							
Lake Superior.....	340,487	0. Reg. 64/64	1944	355	39,858	57,792	213,814
Obatanga.....	34,240	0. Reg. 245/67	1964	120	12,195	15,638	64,186
White Lake.....	3,980	0. Reg. 117/63	1962	205	23,594	45,829	68,585
TOTAL	378,707	.....	....	680	75,647	119,259	346,585
WILD RIVER PARKS							
Mattawa.....	8,143	0. Reg. 165/70	....	.....	.....	.....	.....
Winisk.....	415,400	0. Reg. 474/69	....	.....	.....	.....	.....
TOTAL	423,543	.....	....	.....	.....	.....	.....

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	Camp Units	Campers	Camper Days	Total Visitors
NATURE RESERVES							
Gibson River.....	415	0. Reg. 362/68	....	.....	.....	.....	.....
Matawatchan.....	160	0. Reg. 362/68	....	.....	.....	.....	.....
Montreal River.....	108	0. Reg. 362/68	....	.....	.....	.....	.....
Porphyry Island.....	264	0. Reg. 362/68	....	.....	.....	.....	.....
Trillium Woods.....	25	0. Reg. 245/69	....	.....	.....	.....	.....
Waubushene Beaches.....	84	0. Reg. 245/69	....	.....	.....	.....	.....
TOTAL	1,056	.....	....	.....	.....	.....	.....
TOTAL, Ontario.....	10,236,909	.....	....	18,296	1,531,528	3,524,322	12,172,254

81 PROVINCIAL PARK RESERVE AREAS IN 1970

DISTRICT Reserve Area	AREA (Acres)	LOCATION
CHAPLEAU		
The Shoals	26,600	Cosens, Topham, Peters, Triquet Twps.
COCHRANE		
Pierre-Montreuil.....	41,728	McQuibban, Swartman Twps.
Long Point Peninsula ...	18,500	Lake Abitibi
Dana Lake	6,400	Carscallen, Keefer, Denton Twps.
Otter Rapids.....	486	Pitt Twp.
FORT FRANCES		
Warner Lake.....	7,450	South of Tanner Twp.
Sandpoint Island.....	1,970	Rainy Lake
Pow-wow Campgrounds .	1,730	Shoal Lake
GERALDTON		
Purgatory Chutes.....	100	South of Fernow Twp.
Steel River	2,700	Twp. 81
Esnagami River	58,000	Esnagami, Alpha, Rupert Twps.
Partridge Lake.....	6,500	Legault, Colter Twps.
Lukinto Lake.....	2,250	South of O'Meara Twp.
Humboldt Bay.....	73,000	Lake Nipigon
Cypress, Gravel Rivers .	1,650	North Shore, Lake Superior
KAPUSKASING		
Lake Nagagami.....	4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Fushimi Lake.....	26,775	Fushimi, Bannerman, Stoddart, Hanlan Twps.
KEMPTVILLE		
Murphy's Point.....	1,161	North Burgess Twp.
Charleston Lake.....	1,951	Lansdowne Twp.
Mouth of Tay.....	165	North Elmsley Twp.
Kilmarnock.....	82	Montague Twp.
KENORA		
Pipestone.....	3,560	Lake of the Woods
Pistol Lake.....	4,000	Minaki Area
LAKE ERIE		
James N. Allan	266	Dunne Twp.
Effingham	455	Thorold, Pelham Twps.
Tremblay Beach.....	189	Tilbury North Twp.
LAKE HURON		
Stokes Bay.....	545	Eastnor Twp.
Beaver Valley.....	250	Euphrasia Twp.
LAKE SIMCOE		
Matchedash.....	6,200	Matchedash Twp.
Methodist Point.....	2,800	Tiny Twp.
McRae Point	162	Mara Twp.
Scugog Island	411	Scugog Twp.
Duclos Point	160	Georgina Twp.
Noisy River.....	100	Nottawasaga Twp.
Primrose	1,200	Mulmur, Melancthon Twps.
Allandale, G.R.	83	Innisfil Twp.
Couchiching.....	108	Orillia Twp.
Bass Lake Nature Reserve	190	Oro Twp.

LINDSAY			
Red Pine Lake.....	6,580	Sherborne, Stanhope Twps.	
Silent Lake.....	1,863	Cardiff Twp.	
Kawartha Highlands.....	3,804	Cavendish, Anstruther Twps.	
Gull River.....	40	Sommerville, Laxton Twps.	
Wolf Island.....	464	Harvey Twp.	
Kendall Recreation Area	268	Harvey Twp.	
McDonald Nature Reserve	83	Haldimand Twp.	
NORTH BAY			
W.B. Greenwood.....	23,000	Coleman, Banting, Best Brigstocke Twps.	
Mashkinonje.....	2,543	Haddo Twp.	
PARRY SOUND			
McDonald Bay.....	1,000	Baxter, Gibson Twps.	
O'Donnell Point.....	2,130	Freeman Twp.	
Round Lake.....	24,265	Shawanaga, Ferguson, Burpee Twps.	
South Bay.....	3,936	Nipissing Twp.	
Bigwind Lake.....	5,400	Oakley Twp.	
Shawanaga Basin.....	2,560	Shawanaga, Harrison Twps.	
Moon Island.....	15,000	Conger, Cowper, Freeman Twps.	
Restoule.....	1,155	Patterson Twp.	
PEMBROKE			
Round Lake.....	306	Richards Twp.	
SAULT STE MARIE			
Aubrey Falls.....	17,000	Twp. 4D, Mississagi River	
Mississagi.....	97,100	Twps. U, Q, 1A, 163, 157, 161, 162, 156	
SIoux LOOKOUT			
Irregular Lake.....	370,000	40 Miles SW of Red Lake	
White Otter Lake.....	60,000	25 Miles NW of Atikokan	
SUDBURY			
Wahnipitae Lake.....	1,300	Rathbun Twp.	
Halfway Lake.....	58,240	Muldrew, Antrim, Athlone, Morse Twps.	
Dividing Lake.....	19,240	Chester, Invergarry Twps.	
Lacloche Lake.....	6,200	Harrow Twp.	
SWASTIKA			
McCann.....	640	McCann Twp.	
THUNDER BAY			
Silver Falls.....	8,800	Dog Lake	
Kopka Lake.....	89,650	West side of Lake Nipigon	
Kashabowie Lake.....	19,130	Kashabowie Lake	
Arrowhead Penn.....	850	North Light Lake	
Inwood.....	1,000	Inwood Twp.	
Eaglehead Lake.....	750	Eaglehead Lake	
Arrow Lake.....	100	Arrow Lake	
Ouimet Canyon.....	1,920	Dorion Twp.	
TWEED			
Frontenac.....	8,509	Bedford, Loughborough Twps.	
McKenzie Lake.....	3,408	McClure Twp.	
Casey Point.....	81	Kingston Twp.	
Wolfe Island.....	709	Wolfe Twp.	
Black Donald.....	9,841	Brougham Twp.	
WHITE RIVER			
Kawapitapika Lake.....	2,800	Cecile, Knowles Twps.	
Kakakiwibik Lake.....	58,880	Twp. 66, Cooper, Tedder Twps.	
TOTAL	1,236,933		

WILDERNESS AREAS

The Following have been declared wilderness areas under The Wilderness Areas Act of 1959 for the reasons stated.

O. Reg. 281/60 - Filed Oct. 21/60.

1. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
3. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
4. ABITIBI LAKE NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an Old Indian burial ground.
5. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.

O. Reg. 259/64 - Filed Oct. 5/64

- 5A. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vacinium-mosses, brush-alder, mountain maple and dogwood.

O. Reg. 281/60 - Filed Oct. 21/60.

6. KISHKEBUS LAKE- 332 acres in Barrie Township, Frontenac County -- Area of high aesthetic recreational value.
7. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.
8. CAPE HENRIETTA MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
9. ECHO TOWNSHIP -- 492 acres in Echo Township, District Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout Forest District. It is set aside for silvicultural research, seed production and educational purposes.
10. THE JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
11. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste

La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

12. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

13. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.

14. WHITE OTTER LAKE -- 41 acres in Sioux Lookout District Here is a log castle, perhaps unique, built by Scottish trapper for a bride who never appeared.

15. RONDEAU PROVINCIAL PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.

16. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.

17. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.

18. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.

20. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.

21. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.

22. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.

23. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, *Pellaea glabella*, and Dickie's Fragile Fern, *Cystopteris dickieana*.

24. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

25. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

27. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.

28. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

O. Reg. 268/61 - Filed July 28/61

29. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.

30. THE PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An Area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

31. THE PINERY PROVINCIAL PARK FLOOD-PLAIN -- 25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

32. THE PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.

33. THE PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.

34. PRESQU'ILE ISLANDS -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.

35. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

O. Reg. 35/62 - Filed Feb. 12/62

36. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961.

O. Reg. 251/63 - Filed Sept. 17/63

*37. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

*Re-enacted by O. Reg. 89/64 - Filed Apr. 27/64

O. Reg. 229/64 - Filed Sept. 2/64

38. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

O. Reg. 259/64 - Filed Oct. 5/64

39. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch is the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

O. Reg. 30/66 - Filed Jan. 28/66

40. DERBY LAKE -- 450 acres in Godson Township, District of Kenora to preserve an over-mature stand of white pine.

NEW POLICIES

[illegible]

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with S. H. C. Parsons as Supervisor; it was named Branch on December 1, 1959.

A. J. Herridge was appointed Supervisor on July 20, 1966, and Chief on August 1, 1966.

J. M. Taylor was appointed Chief on January 1, 1967.

Personnel Branch is divided into five sections with duties and responsibilities as follows.

EMPLOYMENT: Recruitment of staff, including Junior Forest Rangers; recruiting activities at universities and technical schools; job advertising; transfers and promotions; establishment and complement control; and assignment of qualified employees to positions.

CLASSIFICATION AND JOB EVALUATION: Ensuring that positions are properly classified and recommending the classification of positions; identifying and recording of organization positions; ensuring that position specifications are produced; classifying positions under the Delegated Authority; developing class series.

TRAINING AND SPECIAL ASSIGNMENTS: Co-ordinating and organizing Department training courses; arranging for employees to attend courses given by outside agencies; liaison with Ontario Forest Technical School and Educational Leave Committee; processing of employee grievances; analyzing Department training needs; and special assignments.

EMPLOYEE RELATIONS: Counselling of employees; improvement of communications between field and head office staffs; investigations of problems relating to personnel; liaison with Staff Relations Branch, Treasury Board and Civil Service Association of Ontario; and maintaining Department program on alcoholism.

OFFICE MANAGEMENT: Documentation of personnel records; attendance reports and leaves of absence recommendations; processing nominations to staff; transfers; separations; group insurance applications and changes; merit increases; accelerated increases; salary revisions; maintaining personnel files for all Regular and Probationary staff and Group 3 Unclassified; providing statistical information at the request of other Branches of the Department.

PERSONNEL BRANCH

Chief: J. M. TAYLOR

EMPLOYMENT

C. H. Bennett

CLASSIFICATION AND JOB EVALUATION

W. W. Tweed

TRAINING AND SPECIAL ASSIGNMENTS

A. Yuile

EMPLOYEE RELATIONS

A. Jackel

OFFICE MANAGEMENT

D. G. Grant

NUMBER OF EMPLOYEES

in years ending March 31st

STAFF TURNOVER

Discontinued From
Reg & Prob Staff

Year	Reg- ular	Probat- ionary	Mon- thly	*Cas- ual	Total	**Age	Misc.	Total
1943	304	218	..	339	861	..	..	..
1944	310	268	..	397	975	..	..	..
1945	324	305	..	929	1,558	..	..	..
1946	373	318	..	573	1,264	..	..	..
1947	523	562	..	527	1,612	..	..	..
1949	1,167	196	..	562	1,925	..	..	..
1950	1,352	157	..	580	2,089	..	..	..
1951	1,420	141	..	701	2,262	28	99	127
1952	1,441	181	..	790	2,412	17	122	139
1953	1,518	158	..	680	2,356	19	96	115
1954	1,546	175	..	633	2,354	34	95	129
1955	1,618	142	..	727	2,487	23	94	117
1956	1,611	180	..	655	2,446	36	135	171
1957	1,583	175	..	929	2,687	31	137	168
1958	1,685	134	..	3,209	5,028	26	69	95
1959	1,759	113	..	2,750	4,622	34	58	92
1960	1,946	90	..	1,224	3,260	44	73	117
1961	2,096	121	320	1,734	4,271	38	55	93
1962	2,348	189	44	1,059	3,640	44	79	123
1963	2,368	181	40	701	3,290	58	97	155
1964	2,337	207	36	650	3,230	72	111	183
1965	2,309	193	24	625	3,151	49	244	293
1966	2,281	225	..	985	3,491	39	142	181
1967	2,270	297	..	777	3,344	35	157	192
1968	2,304	490	..	966	3,760	75	136	211
1969	2,486	485	..	904	3,875	72	183	255
1970	2,762	310	..	877	3,949	79	224	303

*Groups I, II and III. Does not include
extra fire fighters.

**Retirements, superannuations and deaths.

SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of April 1, 1970.

GROUPS	Head Office*	Field	Total
Agricultural Technicians.....	6	1	7
Air Engineers.....	32	13	45
Biologists.....	29	56	85
Cartographers.....	7	..	7
Clerks.....	191	217	408
Communications Technicians...	9	16	25
Management Services Officers.	11	..	11
Conservation Officers.....	4	288	292
Construction Superintendents.	8	..	8
Cooks and Food Service.....	3	7	10
Departmental Accountants.....	27	23	50
Draughtsmen.....	53	..	53
Drivers.....	18	7	25
Economists.....	5	..	5
Engineering Staff.....	15	..	15
Executive Officers.....	15	..	15
Foresters.....	46	164	210
Forestry Technicians.....	16	788	804
Highway Equipment Operators..	..	28	28
Inspector of Surveys.....	7	..	7
Instructors.....	7	..	7
Legal Officers.....	4	..	4
Machine Operators.....	33	..	33
Maintenance Staff.....	13	73	86
Mechanics.....	..	58	58
Miscellaneous Staff.....	34	..	34
Parks and Land Planners.....	11	..	11
Personnel Administrators.....	16	..	16
Pilots.....	18	22	40
Photographers.....	5	..	5
Public Relations Officers....	9	..	9
Radio Operators.....	2	17	19
Rangers.....	4	239	243
Research Scientists.....	31	10	41
Research Supervisors.....	3	2	5
Safety Instruction Officers..	..	14	14
Section Supervisors.....	16	..	16
Senior Administrative Officers	12	26	38
Stationary Engineers.....	5	6	11

*Head Office includes Research Branch, Maple and Air Service Section, Sault Ste. Marie.

SUMMARY OF CLASSIFICATIONS (Continued)

Permanent and Probationary Staff as of April 1, 1970.

GROUPS	Head Office	Field	Total
Stenographic Staff.....	125	136	261
Technician Equipment Development	4	...	4
Technician Laboratory.....	8	...	8
Technician Photographic.....	7	...	7
Total:.....	869	2,211	3,080

FORESTRY TECHNICIANS	Class 7	4	19	23
	Class 6	2	71	73
	Class 5	3	56	59
	Class 4	5	238	243
	Class 3	5	200	205
	Class 2	4	158	162
	Class 1	2	37	39

CONSERVATION OFFICERS	Class 7	1	5	6
	Class 6	1	6	7
	Class 5	1	23	24
	Class 4	1	58	59
	Class 3	..	42	42
	Class 2	..	145	145
	Class 1	..	9	9

Assistant Deputy Minister..	1
Regional Directors.....	3
Branch Chiefs.....	10
Director Ontario Forest	
Technical School.....	1
District Foresters.....	21

ON STAFF		NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st					
Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
...	...	1943	56	..	..	19	75
...	...	1944	45	..	..	13	58
...	...	1945	54	..	..	29	83
...	...	1946	55	..	..	14	69
...	...	1947	...	..	..	..	...
...	...	1949	85	18	2	10	115
...	...	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329
815	925	1966	222	72	7	27	328
835	1,217	1967	235	80	5	55	375
888	1,013	1968	249	88	5	46	388
942	1,088	1969	225	83	15	52	375
942	1,088	1970	210	85	15	96	406

TOTAL NUMBER OF EMPLOYEES ON STAFF BY MONTHS, 1969-70

1969	HEAD OFFICE				FIELD			Grand Total
	Reg.	Prob.	Unclass.	Total	Reg.	Prob.	Unclass.	
Apr.	650	158	71	879	1,877	320	2,456	4,653
May	633	146	67	846	1,924	289	4,291	6,504
June	708	153	193	1,054	1,941	292	4,297	6,530
July	714	138	271	1,123	1,971	273	4,249	6,493
Aug.	713	140	174	1,027	1,970	269	4,240	6,479
Sept.	675	149	68	892	1,993	256	3,026	5,275
Oct.	723	135	150	1,008	1,991	228	1,954	4,173
Nov.	713	140	138	991	1,996	231	1,306	3,533
Dec.	720	141	152	1,013	1,983	234	1,015	3,232
1970 Jan.	736	132	176	1,044	2,017	215	778	3,010
Feb.	730	130	184	1,044	2,013	207	824	3,044
Mar.	725	123	170	1,018	2,012	194	897	3,103
Average	703	140	151	995	1,974	251	2,444	4,669
								5,664

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Chapleau.....	37	36	69	88	112	124	134	123	129	156	155	171
Cochrane.....	24	25	36	33	57	67	69	90	89	92	80	83
Fort Frances.....	23	12	12	24	49	42	45	65	69	70	64	76
Geraldton.....	64	46	60	55	94	113	115	116	116	110	111	119
Gogama.....	39	37	47	35	56	67	65	86	92	...	...	...
Kapuskasing.....	40	36	36	39	62	72	69	65	69	68	64	70
Kenora.....	26	13	12	13	39	45	47	89	85	89	87	108
Lake Huron.....	..	..	..	..	...	...	...	24	23	24	22	23
Lake Simcoe.....	..	..	..	..	...	...	...	...	...	...	24	25
North Bay.....	38	26	36	34	73	113	121	113	115	111	113	120
Parry Sound.....	37	36	46	55	93	137	139	136	134	141	132	147
Pembroke.....	34	24	33	37	71	70	70	69	70	70	69	74
Sault Ste. Marie.	39	24	25	36	132	137	135	130	138	140	137	123
Sioux Lookout....	63	67	64	65	119	136	141	136	135	119	114	84
Sudbury.....	15	13	..	23	47	49	54	76	74	81	84	217
Swastika.....	39	49	48	57	113	138	140	137	139	210	205	146
Thunder Bay.....	26	24	48	40	98	116	113	114	110	112	136	163
Tweed.....	..	..	..	..	...	...	...	...	...	...	39	47
White River.....	49	35	47	47	85	93	94	89	88	113	108	115
TOTAL	593	503	619	681	1,300	1,519	1,551	1,658	1,675	1,706	1,744	1,911

The Junior Ranger Program was initiated in 1944 with a total of 21 boys attending camps in North Bay and Parry Sound Districts.

ASSISTANT DEPUTY MINISTER
R. D. K. ACHESON

REGIONAL DIRECTORS

L. RINGHAM-----	NORTHWESTERN Forestry Building, 14 North Algoma Street, Port Arthur. Telephone 345-6543 Area Code: 807
J. W. LOCKWOOD-----	NORTHEASTERN 174 Douglas Street, Sudbury. Telephone 673-1111 Area Code: 705
J. W. GILES-----	SOUTHERN R. R. 2, Maple. Telephone Toronto 832-2261 Area Code: 416

CHAPLEAU FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 34 Birch Street, Chapleau	864-1710
Radio Room after hours	864-1711
Chief Ranger after hours	864-1712
Air Service..... after hours	864-1713
Weigh Scales	864-0280
District Forester..... *G. P. Elliott	864-1029

SUPERVISORS

Accounts.....	L. Lingenfelter	864-0587
Fish and Wildlife	G. L. Penney	864-0488
Biologist	M. Lamothe	864-1325
Forest Protection.....	J. R. Russell	864-1623
Lands	W. E. MacPhail	864-1146
Parks	T. Linklater	864-0859
Timber	*W. D. Schafer	864-1710
Scaling	W. E. Prange	864-1491

CHIEF RANGERS

Chapleau	*J. P. King	864-1710(1826)
Foleyet	J. R. Languerand	98(70)
Sultan	G. Dingee	875(862)

DEPUTY CHIEF RANGERS

Operations Deputy.....	H. G. Kohls	864-1710(0108)
Lands & Parks Dep.	F. R. Bergin	864-1710(1842)
Timber Deputy.....	G. F. McAuley	864-1710(1535)
Fire Deputy	R. N. Boyle	864-1710(0716)
Timber Deputy.....	R. H. Dunne	864-1710(1237)
Timber Deputy.....	J. M. Langlois	98(71)
Fire Deputy	J. E. L. Morin	98

NURSERY

Chapleau.....	M. E. Hawkins	864-1717(1547)
---------------	---------------------	----------------

PROVINCIAL PARKS

Five Mile Lake.....		864-1710
The Shoals.....		864-1710
Ivanhoe.....	Foley et.....	98
Missinaibi.....		864-1710
Wakami.....	Sultan.....	875

* Duty Officers

COCHRANE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 140 Fourth Avenue, Cochrane.....272-4365

District Forester..... *R.J. Bugar.....272-4365(4554)

SUPERVISORS

Accounts F.W. Barnes272-4365(4796)

Fish and Wildlife S. Nodwell.....272-4365(4869)

Forest Protection..... *E. Gillespie..... 272-4365(5364)

Assistant..... *V. Niemi.....272-4365(4164)

Lands (Acting) H.E. Wright272-4365(5206)

Parks D.E. Stewart 272-4365(5233)

Timber..... J.B. Starr.....272-4365(5278)

Scaling E.B. McVeety272-4365(3704)

CHIEF RANGERS

Cochrane *A. C. Hutchinson272-4365(5326)

Timmins A. F. Papineau.....264-1262(1678)

DEPUTY CHIEF RANGERS

Cochrane (Fire)..... W.J. Froude..... 272-4365
Frederickhouse 1R2

Cochrane (Timber) D. Shewen272-4365(5435)

Cochrane (Lands) J. McWhirter272-4365(4646)

Cochrane (Fish) S. Harris..... 272-4365(4596)

Cochrane (General) W.J. Davis.....272-4365(4523)

Timmins (Fire)..... F. Shaver264-1262(7789)

Timmins (Timber) K. Wiskin.....264-1262(0829)

Timmins (Lands)..... R. Wagner264-1262(2669)

Timmins (Fish)..... D. Perry.....264-1262(1716)

Timmins (General) G. Bond.....264-1262(267-3574)

Smooth Rock Falls K. C. Veitch.....338-2771(2614)

Moosonee..... B.A. Norris.....336-2241(2549)

Wade Lake R. Woodall..... Cochrane
272-4365(4078)

PROVINCIAL PARKS

Greenwater..... Cochrane 272-4365

Kettle Lakes..... P. BaxterConnaught 3121

Tidewater..... Moosonee 336-2241

*Duty Officers.

FORT FRANCES FOREST DISTRICT

Area Code: 807

Telephone
Office Home

OFFICE: 922 Scott Street, Fort Frances ... 274-5337

District Forester *R. A. Balkwill 274-5337 274-6293

SUPERVISORS

Accounts	A. R. Taylor	274-5337	274-9406
Fish and Wildlife...	D. J. D'Agostini ...	274-5337	274-6695
Biologist	A. R. Stasus	274-5337	274-6616
Forest Protection..	*R. V. Brady	274-5337	274-9818
Lands	E. Fraehlich	274-5337	274-9510
Parks	J. F. Wilson	274-5337	274-9502
Timber	E. Markus	274-5337	274-3991
Scaling	M. G. Elliott	274-5337	274-3151

CHIEF RANGERS

Fort Frances	*J. A. Murphy	274-5337	274-5704
Atikokan	F. Dustak	6850	28568

DEPUTY CHIEF RANGERS

Fort Frances	A. J. Korpi	274-5337	274-6522
Fort Frances	S. V. Roberts	274-5337	274-5680
Fort Frances	F. R. Dumeney	274-5337	274-6534
Fort Frances	S. A. Kellar	274-5337	486-3626
Atikokan	W. Neculeac	6850	28562

UNIT FORESTER

Atikokan	A. G. Dougall	2188	6266
----------------	---------------------	------	------

PROVINCIAL PARKS

Caliper Lake	B. D. Onichuk .....		.....
	Nestor Falls	484-2181	
Lake of the Woods..	E. T. McComb		
	Bergland	488-5531	274-6891
Quetico	C. R. Williams		
	Atikokan	6850	28563

*Duty Officers.

GERALDTON FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Beamish Avenue, Geraldton.....	854-1030
District Forester *D. E. Gage	854-1121

SUPERVISORS

Accounts	W. J. Martindale	854-1030
Fish and Wildlife	E. H. Stone	854-1030
Forest Protection.....	*J. F. Goodman	854-1030
Fire Control Officer ...	*W. E. Belisle	854-1030
Lands and Parks.....	A. F. Parker.....	854-1030
Timber	W. K. Fullerton	854-1030
Scaling	L. W. Reid	854-1030

CHIEF RANGERS

Geraldton	J. K. Cleaveley	854-1600
MacDiarmid.....	R. J. Kincaid	67
Terrace Bay	B. J. Lapenskie	825-3205

DEPUTIES

Longlac.....	Chief Ranger	A. B. Johnson.....	876-2351
Nakina	Chief Ranger	E. L. Ecker.....	80
Geraldton	Headquarters	W. Clark.....	854-1600
Geraldton	Fire.....	E. D. Turner	854-1600
Geraldton	Timber	J. A. Bryant	854-1600
Geraldton	Lands, Parks	A. Hoshino	854-1600
Geraldton	Fish & Wildlife ...	W. J. Cook	854-1600
MacDiarmid...	Operations	M. Linard	67
MacDiarmid...	Fire.....	L. R. Hutchinson..	67
MacDiarmid...	Timber	K. G. Horton.....	67
MacDiarmid...	Lands, Parks	W. L. Cox	67
Terrace Bay...	Headquarters.....	T. B. Scott	825-3205
Terrace Bay...	Fire.....	K. E. Bowlier.....	825-3205

UNIT FORESTERS

Geraldton	G. T. Marek	854-1030
Geraldton	J. D. Nolan	854-1030
Geraldton	D. Jovic	854-1030
Geraldton	D. Mihailovic.....	854-1030
Longlac.....	R. D. Fry	876-2351

BIOLOGISTS

Geraldton	B. H. Gibson.....	854-1030
MacDiarmid.....	L. G. Townes	67

PROVINCIAL PARKS

Blacksand	R. J. Kincaid -MacDiarmid	67
Klotz Lake	J. K. Cleaveley -Geraldton	854-1600
MacLeod	J. K. Cleaveley -Geraldton	854-1600
Neys	B. J. Lapenskie-Terrace Bay	825-3205
Rainbow Falls.....	B. J. Lapenskie-Terrace Bay	825-3205

* Duty Officers

KAPUSKASING FOREST DISTRICT

Area Code: 705 (807)

Telephone

OFFICE: 5 Government Road, Kapuskasing..... (705) 335-6146

District Forester..... *D. A. Fawcett 335-5503

SUPERVISORS

Accounts	R. W. E. Stone.....	335-3360
Fish and Wildlife.....	M. R. Cusson	335-2438
Forest Protection	*J. L. Canfield	335-4154
Lands.....	*A. J. McGoey	335-5062
Parks.....	A. J. McGoey	335-5062
Timber.....	*J. W. Lloyd.....	335-3886
Scaling.....	V. M. Silver	335-5664

CHIEF RANGERS

Kapuskasing	B. J. Labonte.....	335-6321
Hearst	L. G. Woods.....	362-5803
Hornepayne.....	L. E. Grife	(807) 125

DEPUTY CHIEF RANGERS

Kapuskasing.....	I. A. Cameron	335-5545
Kapuskasing.....	J. A. Millette.....	335-4510
Kapuskasing.....	J. G. Duhaime	Opasatika 3341
Kapuskasing.....	D. C. Jones.....	335-5414
Hearst	B. R. Blais.....	362-4346
Hearst	E. J. Commanda	362-4346
Hearst	J. H. Thompson.....	362-4981
Hearst	J. R. Garlow.....	362-4888
Hearst	M. J. Leclerc	362-4697
Hornepayne	W. R. Laurila	90
Hornepayne	V. N. Wearn.....	90

PROVINCIAL PARKS

Nagagamisis.....	C. A. McDonald ...	Hornepayne 90
Remi Lake	J. L. Sigouin	335-6191

*Duty Officers

KEMPTVILLE FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Provincial Government Bldg., Kemptville... 258-3411
 Nights, Holidays 258-2298
 (Direct Line From Head Office)

District Forester R. M. Christie..... 258-3770

SUPERVISORS

Accounts	F. S. Bumstead	258-2483
Fish & Wildlife.....	*D. A. Hagan	258-5187
Forest Protection	*D. D. White	258-2780
Lands	D. D. White	258-2780
Parks	*E. A. Green	258-3209
Timber.....	*P. E. Anslow	258-5166

CHIEF RANGER

Lanark..... D. Kennedy 259-2108

FISH AND WILDLIFE DEPUTY CHIEF RANGERS

Alexandria	R. Ramsbottom	527-2102
Lanark	H. C. Mulholland.....	259-2108
Ottawa	E. W. Ferguson	822-2525
Westport	C. D. Thompson	273-2106

EXTENSION AND MANAGEMENT SERVICES

Ottawa	M. Schaefer	749-9325
Kemptville.....	A. J. Campbell	258-2523
Alexandria.....	B. Warwick.....	525-2443
Lanark.....	M. Millar.....	259-2108

FARM FORESTER

Kemptville..... C. F. Coons.....Home 258-2705

FISH HATCHERY

Westport Pond Station.... J. D. McNee..... 273-2006

NURSERY

Kemptville..... *H. H. de Vries 258-2323

PROVINCIAL PARKS

Fitzroy.....	F. W. Irwin Arnprior ...	623-5159
Rideau River.....	J. R. Uens Kemptville ...	258-2740
Silver Lake	C. Dawson Maberly ...	9r31
South Nation .....	.....Plantagenet ...	673-5072
Murphy's Point.....	.....Perth....	267-1741
Carillon.....	A. L. Robinson St. Eugene	674-2825

* Duty Officers

KENORA FOREST DISTRICT

	Area Code: 807	Telephone
	Office	Home
OFFICE: Provincial Government Building, Robertson Street, Kenora	468-9841	.....
District Forester.... *K.K. Irizawa	468-9841	468-6223

SUPERVISORS

Accounts	G. C. McChesney ..	468-9841	468-8190
Fish and Wildlife	D. M. Brooks	468-9841	468-9174
Forest Protection ...	*M. J. Morison	468-9841	468-6110
Lands	G. Simons	468-9841	
Parks	A. A. Gordon	468-9841	547-2893
Timber	*D. L. Hagar	468-9841	468-8831

CHIEF RANGERS

Kenora	*J. G. Minor	468-6600	468-7139
Dryden	H. P. Endress	223-2341	

DEPUTY CHIEF RANGERS

Kenora	J. G. Mills	468-6600	468-7158
Kenora	R. H. Reynolds ...	468-6600	468-8512
Kenora	A. W. Stone	468-6600	468-5106
Kenora	D. A. Philippi	468-6600	468-6013
Kenora	D. M. C. Lindstrom		
		468-6600	468-7864
Kenora	T. A. Humberstone	468-6600	547-2250
Minaki	D. Larmand	8	8
Dryden	M. L. Frenette ...	223-2341	937-5336
Dryden	V. D. R. Kujansuu ..	223-2341	227-2607
Dryden	R. B. Little	223-2341	223-6923
Dryden		223-2341	
Dryden	I. J. Riives	223-2341	223-5465
Sioux Narrows	D. L. Porlier	226-5668	226-5668

DRYDEN NURSERY

Superintendent	G. H. Kokocinski ..	938-6502	223-6992
----------------------	---------------------	----------	----------

PROVINCIAL PARKS

Aaron		938-6312
Blue Lake		227-2601
Rushing River		468-6600
Sioux Narrows		468-6600

* Duty Officers

LAKE ERIE FOREST DISTRICT

Area Code: 519 (416)

Telephone

OFFICE: 353 Talbot Street West, Aylmer West
 Aylmer (519) 773-9241
 District Forester..... *W.B.M. Clarke..... 773-9284

SUPERVISORS

Accounts	G.B. Fewings	773-8253
Fish and Wildlife	D.R. Johnston	773-8498
Lands	R.C. Turner-St. Thomas...	631-9685
Parks	*K.A. Cameron.....	773-9828
Timber.....	*E.F. Johnston.....	773-3252

EXTENSION SERVICES

MANAGEMENT FORESTERS

Strathroy	J.A. Fingland	245-0640
	London (Home)	438-7126
Dunnville	D.A. Scott..... (416)	774-5811
	Home(416)	774-5359
Aylmer.....	M.F. Thomson.....	773-9241

NURSERY

St. Williams.....	R.E. Laupert, Sup't. Pt. Rowan	586-3863
-------------------	---	----------

RESEARCH STATION

Fisheries Research Station	S.J. Nepszy-Wheatley	825-4171
----------------------------	---------------------------	----------

FISH HATCHERY

Normandale Fish Hatchery	W.A. Hooper	Simcoe 426-3142
	Home	426-0272

LAKE ST. CLAIR MANAGEMENT UNIT

Stoney Point.....	J.M. Byrne	694-3610
-------------------	------------------	----------

PROVINCIAL PARKS

Holiday Beach.....	W.R. Jenkins.. Amherstburg	736-3772
Ipperwash	B. Houck	Thedford 296-4652
Long Point.....	T.L. Beck	Port Rowan 586-2133
Pinery	M.J. Jackson.....	Thedford 243-2220
Port Bruce and Iroquois Beach.....	P.A. Strassburger	Port Burwell 874-4691
Rock Point, Selkirk.....		Selkirk
and Jas. N. Allan.....	M.E. Charbonneau (416)	776-2600
Rondeau	J.H. Lever.....	Ridgetown 674-2137
John E. Pearce	J.H. Lever.....	Ridgetown 674-2137
Turkey Point.....	J.W. Sulston	Simcoe 426-3239
Wheatley.....	P.G. Wiper	Wheatley 825-4761

* Duty Officers

LAKE HURON FOREST DISTRICT

Area Code: 519

Telephone

OFFICE: 101 Holiday Inn Drive, Hespeler 658-4655
(Direct Line From Head Office)

District Forester J.M. Halpenny 653-4798

SUPERVISORS

Accounts	H.W. Makcrow	658-4015
Fish and Wildlife	W.D. Mansell	824-6125
Timber, Forest Protection	R.N. Staley	632-7116
Lands and Parks	J.E. Collard	623-4463

EXTENSION SERVICES

Biologist	J.J. Armstrong	759-4386
Biologist	H.D. Howell	
Farm Forester	R.C. Gilbert	621-9383

MANAGEMENT FORESTERS

Hespeler	G.H. Murchison	587-4005
Owen Sound	J.W. Christie	376-1371
Owen Sound	R.M. Day	371-1482

DIVISION MANAGERS

Owen Sound	V.W. Fisk	376-3860
	Home	376-9391
Stratford	H.R. Lancaster	271-2830
	Home	271-9736
Hespeler	H.P. vanBers	658-9356
	Home	742-3214

FISH HATCHERIES

Chatsworth	P.H. Hartman	794-2340
Wiarton	A.H. Draves	534-0770

PROVINCIAL PARKS

Craigleith .....	.....
Cyprus Lake	G.E. Martelle	
	Lion's Head	140
Inverhuron	G.E. Brown	368-7402
Point Farms	C.E. Bates	524-7124
Sauble Falls .....	.....

LAKE SIMCOE FOREST DISTRICT

Area Code: 416 (519, 705)

Telephone

OFFICE: R.R. 2, Maple Maple (416) 832-2261
Duty Officers 832-2262

District Forester F.E. Sider ext 218

SUPERVISORS

Accounts	G. C. Bragg	ext 215
Fish and Wildlife	R. H. Trotter	ext 211
Biologist	A. A. Wainio	ext 210
Lands	W. M. Mitchell	ext 224
Parks	A. M. Harjula	ext 222
Timber	I. B. Earl	ext 221 (279-7043)
Forest Protection	I. B. Earl	ext 221 (279-7043)

EXTENSION SERVICES

Biologist	A. W. Smith	ext 209 (884-3846)
Farm Forester	*J. Kekanovich	ext 213 (727-6536)
Management Forester	D. C. McDermott	ext 213 (727-6294)
Fire Control Officer	*R. H. Smith	ext 221 (727-3279)

MANAGEMENT FORESTERS

Maple.....	*J.D. Griffiths	ext 220 (473-5852)
Orangeville.....	B.I. Thompson....	(519) 941-4370
Angus.....	W.S. McNeice	(705) 424-5312

DIVISION MANAGER

SRMU, Coldwater W.J. Lovering.... (705) 686-3342

TREE SEED PLANT

Angus.....C.H. Lane..... (705) 424-5311

NURSERY

Midhurst C.R. Groves (705) 728-2846

PROVINCIAL PARKS

Bass Lake	W. W. Brown	(705)	326-7054
Devils Glen	L. W. O'Dell	(705)	429-2516
Earl Rowe	W. Braden	(705)	435-7291
Mara .....	.....	(705)	326-4451
Sibbald Point	A. Whalen (Acting) ..	(416)	722-5182
Six Mile Lake	B. W. Whalen	(705)	686-3342
Springwater	C. D. Jackson	(705)	728-7393
Wasaga Beach	L. W. O'Dell	(705)	429-2516

*Duty Officers.

LINDSAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Ontario Government Building,
322 Kent Street West, Lindsay..... 324-6121
(Direct Line from Head Office)
District Forester..... *A. E. Walroth..... 324-6121 L2

SUPERVISORS

Accounts H. C. Wallwin 324-6121 L6
Fish and Wildlife P. W. Swanson 324-6121 L26
Forest Protection..... *B. B. Benson 324-6121 L12
Lands *G. Simons 324-6121 L14
Parks *P. R. Davidson 324-6121 L31
Timber..... R. A. Lockhart 324-6121 L9
Scaling W. E. Everett 324-6121 L8

CHIEF RANGERS

Minden P. J. Cassidy..... 286-1521
Gooderham..... W. Sarginson 447-2151

DEPUTY CHIEF RANGERS

Minden M. J. O'Neill 286-1521
Gooderham..... H. N. Bates 447-2151
Apsley 656-4361
Haliburton S. A. Shields 457-2107

EXTENSION SERVICES

MANAGEMENT FORESTERS

Lindsay..... E. D. Sutherland 324-6121
Lindsay..... B. G. Cross 324-6121
Orono..... J. D. Henson 983-9147
Brighton..... R. M. Rogers..... 475-2204

FARM FORESTER

Lindsay..... E. D. Sutherland 324-6121

NURSERY

Orono W. R. Bunting 983-9147

HATCHERIES

Codrington (Fish)..... G. Groondahl Brighton 475-2512
Codrington (Pheasant)... E. R. Mound Brighton 475-0692
Deer Lake (Fish)..... J. M. Hunt Havelock 778-3391

PROVINCIAL PARKS

Emily H. Tuvi Omemee 799-5170
Balsam Lake..... W. P. Barber Cobocok 454-3324
Darlington J. A. Robertson Oshawa 723-4341
Presqu'ile K. H. Moore..... Brighton 475-2204
Serpent Mounds..... D. G. Ward..... Keene 295-6879

*Duty Officers.

NORTH BAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Northland Trust Building,
222 McIntyre Street West, North Bay..... 474-5550
(Direct line from Head Office)

District Forester*W. L. Sleeman 474-7606

SUPERVISORS

Accounts	J. E. Rogers	472-8426
Biologist	H. A. Orr..... Callander	752-2767
Fish and Wildlife	*A. S. Holder... Callander	752-3477
Forest Protection	*J. E. Anderson	474-4644
Lands	W. G. Turnbull	472-1744
Parks	A. D. Tremblay.....	474-5712
Timber	*D. E. Honeyborne.....	472-0659
Scaling	R. E. Chornopski	474-8493
District Planner.....	E. E. Multamaki.....	
Field Safety Officer.....	A. G. Forest	474-3562

CHIEF RANGERS

North Bay	*H. N. Whalen	474-5645
Temagami	J. E. Rumney	569-2231

DEPUTY CHIEF RANGERS

North Bay, Fire.....	J. A. Bedard.....	472-6056
North Bay, Timber	T. M. McCormick	472-4487
North Bay, Fish & Wildlife	W. J. Holmes.....	474-4942
Champlain	C. H. Laberge... Mattawa	744-2276
Marten River.....	H. J. Edmundson	8R3
Haddo	P. J. McDonald Monetville	898-2441
Temagami, Fire	H. G. Smith	569-8481
Temagami, Lands	R. V. Coulombe.....	569-6557
Temagami, Fish & Wildlife	E. J. Mitchell	
Temagami, Timber.....		

PROVINCIAL PARKS

Antoine	Mattawa	744-2251
Finlayson Point.....	G. C. Lockhart	
	..... Temagami	569-6368
Marten River.....	H. J. Edmundson	8R3
Samuel de Champlain.....	C. H. Laberge .. Mattawa	744-2276

FISH HATCHERY

Redbridge	N. B. Hollingsworth	
	..... Redbridge	663-2282

* Duty Officers

PARRY SOUND FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 4 Miller Street, Parry Sound	746-2141
District Forester J.S. Ball	746-8712

SUPERVISORS

Accounts.....	G.F. Walter.....	746-2389
Fish and Wildlife	*C.W. Douglas.....	746-8622
Sr. Conservation Officer ..	*J.A. Macfie	746-8330
Biologist.....	G.K. Winterton.....	332-9904
Biologist.....	S.A. Munroe	746-8766
Forest Protection.....	*D. Burns.....	746-2672
Lands	T.H. Crosswell.....	746-5513
Parks	W.R. Peck	746-8808
Park Naturalist.....	D.W. McLennan	746-8260
Timber	H.J. Henry.....	746-5900
Scaling	A.J. Tracy.....	746-8309
Personnel.....	W.S. Howson	746-5702
District Surveyor	D.E. Magee	746-2437

CHIEF RANGERS

Parry Sound	J.A. Shalla.....	746-5541(9815)
Powassan	B. Petman	724-3005
Bracebridge.....	R.W. Tippet	645-4081(687-5464)

DEPUTY CHIEF RANGERS

Parry Sound.....	J.M. McEwen	McKellar 17R22
Powassan.....	E.R. Brooks.....	724-3043
Bracebridge.....	J.T. Matthews	645-2238
Ardbeg.....	R.J. Simms	746-9881
Dorset.....	J.S. Booker	746-2212(2253)
Byng Inlet (Britt).....	M.C. Kennedy	383-2361(2361)
Loring.....	R.F. Kimberley.....	757-2040(2168)

EXTENSION SERVICES

MANAGEMENT FORESTERS

Parry Sound	P.W. Secker	746-2657
Powassan	A.D. Henderson	724-2908
Farm Forester	W.V. Hardy	746-9874
Bracebridge (Farm Forestry Technician)	M.F. Salt	645-4607

PROVINCIAL PARKS

Grundy Lake	E.F. Irwin	383-2369
Killbear Point	R.E. Brookland.....	342-5492
Mikisew	A. White	386-2271
Oastler Lake	G. McRoberts	378-2401
Restoule	J. Detta	729-5707
Sturgeon Bay	J. Campbell	366-2285
Arrowhead	R. Gemmill	789-5101

* Duty Officers

PEMBROKE FOREST DISTRICT

Area Code: 613 (705)

Telephone

OFFICE: 162 Agnes Street, Pembroke.....	(613)	732-3661
Duty Officers.....		732-3664
District Forester..... T.W. Hueston		732-3661

SUPERVISORS

Accounts	G.N. McGeachy	732-3661
Fish and Wildlife	H.E. Deedo	732-3661
Biologist	M.L. Wilton	732-3661
Forest Protection	*L.L. Bronson.....	735-6447
Lands	J.A. Orme	732-3661
Parks	W.C. Calvert	732-3661
Timber.....	*J.A. Simpson.....	732-9322
Scaling	J.H. Bingley.....	732-3661

CHIEF RANGERS

Pembroke.....	*R.N. Cousineau.....	732-3664(4106)
Whitney.....	H.W. Hanes.....(705)	637-2780
Stonecliffe.....	F. Mitchell.....	586-2604

DEPUTY CHIEF RANGERS

Pembroke	M.I. Mantifel.....	732-3664
Pembroke	A.E. Prange.....	732-3664
Whitney.....	M.L. Doney..... (705)	637-2780
Whitney.....	W.A. Lentz..... (705)	637-2780
Whitney.....	S.E. Cameron.... (705)	637-2780
Stonecliffe.....	R.C. Bilsborrow.....	586-2604
Stonecliffe.....	J.I. Kuiack.....	586-2604
Stonecliffe.....	S.J. McIsaac.....	586-2604
Achray	J.R. Mask.....	584-2420
Kiosk .....	.....	841
Round Lake.....	C.R. Buske..... Killaloe	757-2507

EXTENSION SERVICES

MANAGEMENT FORESTERS

Pembroke	C.R. Gray.....	732-3661
Pembroke	S. Yorgandjioglou	732-3661
Pembroke	W.W. Wahl.....	732-3661
Pembroke	D.F. George.....	732-3661

FARM FORESTER

Pembroke	W. Vonk.....	732-3661
----------------	--------------	----------

PROVINCIAL PARKS

Algonquin.....	T.W. Hueston	(705) 633-5572(5542)
Bonnechere .....	.....Killaloe	757-2103
Carson Lake .....	.....Barry's Bay	131J3
Driftwood.....	.....Stonecliffe	586-2371

FISH HATCHERY

Pembroke	W.T. Marston Petawawa	687-5935
----------------	-----------------------	----------

* Duty Officers.

SAULT STE MARIE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 875 Queen Street East (Rear),
Aerodrome Building, Sault Ste. Marie 949-1231
(Direct Line from Head Office)
After hours 949-1234
District Forester *W.D. Tieman Residence 254-6523

SUPERVISORS

Accounts	G. J. Murray	254-3847
Fish and Wildlife	R. G. Bailey	949-4434
Biologist	C. H. Olver	254-5781
Forest Protection	*W. H. Forman	949-3572
Forest Protection Tech...	*R. P. Checkley .....	.....
Forest Research	A. G. Gordon	254-5342
Fisheries Research	C. A. Lewis	253-3442
Lands	J. M. Small	253-6933
Parks	G. M. Connell	
	..... Bruce Mines	785-3458
Timber	*W. C. Stevens	253-8397
Scaling	M. V. Osborne	254-1685

CHIEF RANGERS

Sault Ste. Marie	C. E. Tregonning	253-0491
Blind River	J. A. Huppe	356-7166
Thessalon	R. J. Lynn	842-2610

DEPUTY CHIEF RANGERS

Sault Ste. Marie	L. G. Bell	254-1774
Sault Ste. Marie	L. J. Pigeon	253-1952
Blind River	G. N. Gibson	356-2392
Blind River	H. J. Stoneman	356-7998
Kirkwood	D. W. Hemphill Thessalon	842-3130
Kirkwood	I. E. Seabrook Thessalon	842-5723
Kirkwood	C. W. Stoneman Thessalon	842-5643
Pancake Bay	W. R. Simms Batchawana	2317
Mount Lake	G. R. Murray Iron Bridge	356-7654
Ranger Lake	A. R. McClelland	254-7660
Elliot Lake	C. J. Osborne	848-2741
Peshu Lake	D. C. Vaughan, Echo Bay.	37R2

NURSERY

Thessalon	W. Stoneman	842-5643
-----------------	-------------------	----------

PROVINCIAL PARKS

Batchawana	W. R. Simms, Batchawana	2317
Mississagi	C. J. Osborne, Elliot Lake	848-2741
Pancake Bay	W. R. Simms, Batchawana	2317

*Duty Officers

SIOUX LOOKOUT FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Box 309, Sioux Lookout.....	737-1140
District Forester..... *F.L. Hall.....	737-2763

SUPERVISORS

Accounts	D.W. Munch.....	737-2892
Fish & Wildlife.....	C.E. Perrie.....	737-1562
Biologist	J.C. Williamson	737-1316
Biologist	M.E. Buss	737-1729
Biologist	S. Crooks.....	737-2824
Forest Protection	*E.W. Bouchey.....	737-3622
Fire Control Officer....	*D.R. Williams.....	737-3064
Lands.....	J.R. Morton.....	737-1637
Parks.....	C.R. Biggar.....	737-2511
Timber.....	J.A. Waddell.....	737-1456
Management Forester...	E.D. Berry.....	737-3792
Management Forester...	J. Pohanka	737-2960
Management Forester...	L.J. Haas.....	737-2304
Scaling	W.O. Hansson	737-9903

CHIEF RANGERS

Sioux Lookout	G.M. Fenelon	737-1730
Red Lake	D.J. O'Grady.....	475(22)
Pickle Lake.....	S.A. Sprager	2501
Ignace.....	M.P. Barker	934-2233(2285)

DEPUTY CHIEF RANGERS

Sioux Lookout	G.A. Baverstock	737-1229
Sioux Lookout	C.W. Clark	737-3099
Sioux Lookout	R.J. Landry.....	737-2515
Red Lake	A.R. Larson	475(755)
Red Lake	L.T. Anderson	475(352)
Red Lake	L.H. Mahon.....	475(Cochénour 3592)
Red Lake	P.G. Veitch.....	475(185-W)
Pickle Lake.....	F.E. Brown	2501
Ignace.....	D.R. Fortner.....	934-2233(2304)
Ignace.....	C.W. Rogerson	934-2233(2379)
Ear Falls.....	W.G. Davenport	222-3065

PROVINCIAL PARKS

Pakwash	D.J. O'Grady.....	
Ojibway.....	G.M. Fenelon	
Sandbar Lake	M.P. Barker	

* Duty Officers.

SUDBURY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 174 Douglas Street West, Sudbury..... 673-1111
(Direct line from Head Office)

District Forester *G. A. McCormack 566-6344

SUPERVISORS

Accounts	G. A. Jennings	673-1973
Fish and Wildlife	C. F. Bibby	675-7815
Biologist	K. P. Morrison	673-9802
Biologist	G. M. Stassen	673-7319
Forest Protection	*L. G. Ridsdill	675-6660
Fire Control Officer	*E. W. Everley	566-6304
Lands	E. N. Arbuckle	855-2927
District Planner	L. S. McCoy	674-9352
Parks	L. R. Davey	673-1012
Timber	D. E. McHale	566-4918
Scaling	L. C. Mantle	673-0341

CHIEF RANGERS

Sudbury	*W. Wetow	673-7458
Skead	J. R. Morin	969-4384
Espanola	B. T. Cannon	869-1973
Gogama	C. Dionne	15

DEPUTY CHIEF RANGERS

Sudbury	L. Collard	897-5143
Sudbury	G. Van Horn	675-5815
Skead	K. Cleary	673-2775
Espanola	F. W. Noble	869-1569
Espanola	W. Piche	869-1675
Massey	E. A. Hansson Spanish	844-2880
Windy Lake	D. H. Kohls Levack	966-2315
Jamot	W. Sarginson Rutter	857-2004
Gogama	R. A. Carriere	148
Gogama	R. A. Beauchamp	60
Gogama	D. S. Stewart	137

NURSERY

Gogama	F. Free	82
--------------	---------------	----

HATCHERY

Gogama	G. A. Clark	11-R-21
--------------	-------------------	---------

PROVINCIAL PARKS

Chutes	E. A. Hansson Spanish	844-2880
Fairbank		
Killarney		
Windy Lake	D. H. Kohls Levack	966-2315

* Duty Officers

SWASTIKA FOREST DISTRICT

	Area Code: 705	Telephone
OFFICE: Swastika	Swastika	642-3222
District Forester	*S. R. Hamilton Kirkland Lake	567-4659

SUPERVISOR

Accounts.....	W. C. Johnstone	642-3964
Fish and Wildlife	J. F. Gardner	Swastika 642-3489
Biologist.....	L. C. Chamberlin.....	567-3023
Forest Protection....	*W. G. Taylor..	Kirkland Lake 567-3569
Lands	J. M. McDougall	
	.....Kirkland Lake	567-4732
Parks	H. Mattson....	Kirkland Lake 567-4054
Timber	G. Brown.....	Kirkland Lake 567-6983
Scaling	K. Alexander	Swastika 642-3956

CHIEF RANGERS

Swastika	*L. E. St. Pierre.....	642-3211 (567-4673)
Matheson	N. B. Pigeon	119(1416)
Elk Lake.....	G. O. Koistinen.....	678-2241 (678-2281)

DEPUTY CHIEF RANGERS

Swastika Division.....		642-3211
Fire Deputy.....	E. C. Borden.....	642-3420
Timber Deputy.....	M. C. Mitchell	Englehart 544-7619
Service Deputy	W. B. Hill	Englehart 544-7582

Matheson Division		119
Fire Deputy.....	B. A. Milburn	
Timber Deputy	R. R. Dennis	302
Service Deputy	E. Dew.....	421

Elk Lake Division:		
Fire Deputy.....	D. W. Butler	Elk Lake 678-2276
Timber Deputy	B. A. Hughes.....	Englehart 544-2855
Service Deputy	A. Thib	Gowganda 2341
	Englehart	544-2592
Englehart.....	L. J. Wickware.....	544-2331
		(544-2452)

NURSERY

Swastika.....	L. J. Forcier.....	Swastika 642-3339
		642-3383

FISH HATCHERY

Hill Lake	P. Graf	Englehart 544-2834
-----------------	---------------	--------------------

PROVINCIAL PARKS

Esker Lakes	O. Ranta	Swastika 624-3211
		Kirkland Lake 567-6760
Kap-Kig-Iwan	R. L. Hack....	Englehart 544-2050 (7526)

* Duty Officers

THUNDER BAY FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: 14 North Algoma Street, Thunder Bay "P".... 345-6543
(Direct Line from Head Office)

District Forester..... *R.A. Baxter..... 577-1390

SUPERVISORS

Accounts	J.D. Chadwick	767-1564
Fish and Wildlife	C.A. Elsey	344-0501
Biologist	H.R. Timmerman	344-4049
Forest Protection	J.E. Barnes	344-9454
Lands	J.L. Hamill	577-3458
Parks	E. Diamond	344-9011
Timber	J.F. Flowers	345-8354
Scaling	A.G. Strey.....	344-8666
Forest Research	N.F. Lyon.....	345-7167

CHIEF RANGERS

Thunder Bay	*S.O. Russell	344-8157
Armstrong.....	J.B. Monteith	129
Shebandowan	G.C. Murray	344-2001

DEPUTY CHIEF RANGERS

Thunder Bay (Fire)	V. Hansen	344-8726
Armstrong.....	A. Van Rooyen.....	38
Shebandowan	G.J. Frenette.....	683-3430
Th. Bay (Lands & Pks.)	N.J. Small	344-5116
Upsala		
Nipigon.....	B.G. Wall.....	887-2114
Shebandowan (Timber)...	R.M. Clark.....	926-2861
Thunder Bay (Timber)...	L. Hawkins.....	344-8586

UNIT FORESTERS

Port Arthur.....	T.E. Dodds.....	.....
Fort William.....	R.G. Klein.....	345-1743
Armstrong.....	J.E. Hamilton.....	344-2348
Shebandowan	G. Wright.....	345-2924

NURSERY

Thunder Bay	A. Wynia	577-5515
-------------------	----------------	----------

PROVINCIAL PARKS

Inwood	A. Van Eck	577-1402
Kakabeka Falls	G. Whitefield.....	683-8896
Middle Falls.....	T. Hill.....	Pigeon River 24R3
Sibley	E. Murphy .....	.....

* Duty Officers.

TWEED FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Metcalfe Street, Tweed 478-2330

District Forester A.H. Peacock 478-3834

SUPERVISORS

Accounts.....	J.A. Vance	478-3022
Fish and Wildlife	R.E. Whitfield	478-2513
Biologist	W.F. Cheshire	478-3437
Forest Protection	*B.T. Dunne	478-2906
Lands	L.G. Rowson	478-2527
Parks	*W.H. Cantelon	478-3111
Timber	W.W. Hiscock.....	.....
Farm Forester.....	W.M. Fasken	478-3820
Scaling	W.F. Caverley	478-6512
Surveyor	D.E. Norris	478-2736

CHIEF RANGERS

Tweed.....	J.J. Shalla.....	478-2338 (2641)
Dacre.....	G.M. Samells ..	649-2418 (432-2602)
Bancroft.....	O. Goodman	332-3940 (2017)
Napanee.....	H.P. Endress.....	354-3389 (3122)

DEPUTY CHIEF RANGERS

Tweed.....	D. Mumford	478-2338 (2208)
Dacre	J.J. Windle ...	649-2418 (432-5256)
Bancroft	E. Card	332-3940 (2232)
Bancroft	J.I. McKenzie	332-3940 (2683)
White Lake	H.E. Clark	335-2115 (198)
Palmer Rapids	R. Musclow	758-2020 (2724)
.....

MANAGEMENT FORESTERS

Tweed.....	.....	478-2330
Dacre	G.C. Felton ..	649-2418 (432-2548)
Bancroft.....	F. Walker	332-3940 (1435)
Napanee	E. Edson	354-3389 (Bath 91)

FISH HATCHERY

White Lake.....	K.L. Steele	335-2115 (2074)
-----------------	-------------------	-----------------

FISHERIES RESEARCH STATION

Glenora.....	W.J. Christie	476-2400 (3014) Picton
--------------	---------------------	---------------------------

PROVINCIAL PARKS

Black Lake.....	H.E. Clark	Sharbot Lake 335-2814
Bon Echo	W.J. Miller.....	336-2228 (2660)
Lake St. Peter	O. Goodman.....	47(989)
Outlet Beach	R.J. Davison....	393-3314 (2007)
Sandbanks	G.E. Cox	393-3028 (3914)
North Beach	G.E. Cox	399-2030 (3914)
Lake-on-the-Mountain....	R.J. Davison	393-3314 (2007)
*Duty Officers		

WHITE RIVER FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: 200 Winnipeg Street, White River

822-2250

District Forester..... *J.R. Oatway..... 822-2250

SUPERVISORS

Accounts	D.D. Bird.....	822-2250 (2347)
Fish and Wildlife	E.A. Pozzo	822-2250 (2544)
Biologist	T.G. Harrison.....	822-2250 (2408)
Forest Protection	*W. Kitt	822-2250 (2188)
Parks	J.J. Sargent	822-2250 (2218)
Timber.....	*J.H. Sellers.....	822-2250 (2414)
Scaling	W.R. Doyon	822-2250 (2169)
Planning	R.M. Monzon	822-2250 (2489)
Lands	E.V. Uhler.....	822-2250 (2580)

CHIEF RANGERS

White River.....	*R. Paterick	822-2253 (2220)
Wawa	A.J. Bull	856-2445 (7324)

DEPUTY CHIEF RANGERS

White River.....	K. Fuller	822-2253
White River, Timber...	M.W. Pletch.....	822-2253 (2369)
Manitouwadge	R.J. Fillmore.....	826-3225
White River Lands & Parks	T.J. Leveque	822-2253 (2490)
Wawa	C.R. Petrosky	856-2120 (2460)
Wawa	J.D. Schreiber	856-2120 (7132)
Hobon Lake	R.G. Clermont	2216
Agawa Bay.....	F.E. Senecal	312 (2307)

UNIT FORESTERS

White River	M. Auld	822-2253 (2426)
Wawa	H. Griffin.....	856-2120 (7191)
Wawa	J.H. Broderick.....	856-2120 (7059)

PROVINCIAL PARKS

Lake Superior Park		
- Red Rock Lake H.Q. ...	E.M. Montgomery ...	856-2284
	Sault Ste. Marie	256-5518
- Agawa Bay H.Q.....	F.E. Senecal	312 (3414)
White Lake Park	J.G. Black.....	1-R-11
Obatanga		

*Duty Officers.

THE ONTARIO FOREST TECHNICAL SCHOOL

Area Code: 705

Telephone

DORSET.....		766-2242
Director.....	R. W. Hummel.....	766-2333
	B.Sc.F., Dipl. Res. Man.	
Accountant.....	W. Chambers.....	Carnarvon 489-2219
A/Accountant	G. Wagner.....	766-2261
Maintenance Supt.	E. Hayward	766-2304
Chef.....	T. Wright	766-2242
Nurse, Housekeeping		
Supt.....	Mrs. P. Briscoe, Reg. N. ..	766-2237

FACULTY

J. E. Dickenson	Huntsville	789-2723
B.Sc.F., R.P.F.		
V. B. Collins		766-2335
B.A., M.S.A.		
D. L. Lillow		766-2238
J. D. Ryan		766-2336

NEW POLICIES

RESEARCH BRANCH

The Research Branch was authorized under the Forestry Act of 1927. It was created by the appointment of a Chief in 1944, and the Southern Research Station was established in the same year.

The purpose of Research Branch is to provide a scientific basis for the planning and operation of the Department of Lands and Forests.

To achieve this objective, the functions of the biological components of our environment must be understood. We must increase our knowledge in the area of contact between the traditional disciplines.

The Research Branch Programme is designed to provide a mix of environmental and problem research which can, not only provide answers to immediate problems but anticipate and predict problem areas.

The Branch is organized along disciplinary lines with specialists in Fisheries, Forestry and Wildlife reporting for their sections to the Branch Chief. The three sections are divided into units based upon more intensive specialization within the discipline.

Administrative functions and all service units report to the Branch Chief through the Branch Administrator.

R. N. Johnston was appointed Chief on January 1, 1944.

A. P. Leslie was appointed Chief on September 15, 1964, when Mr. Johnston retired. Mr. Leslie retired on November 30, 1967.

D. R. Wilson was appointed Acting Chief for the period from December 1, 1967 to August 31, 1968.

Dr. W.R. Henson was appointed Chief on September 1, 1968.

RESEARCH BRANCH

CHIEF - DR. W. R. HENSON

ADMINISTRATION

E. K. E. DREYER

Accounts, Biomathematics and Computer Services, Draughting, Electronics, Equipment, Library, Mechanical Development, Photography, Personnel, Public Relations, Reports.

FISHERIES SECTION

Supervisor: K. H. Loftus

Game Fish Units: Brook Trout, Lake Trout, Walleye, Smallmouth Bass.

Great Lakes Units: Lake Erie, Lake Huron, Lake Ontario, Lake Superior.

Discipline Units: Limnology, Parasitology, Productivity, Selective Breeding, Technical Studies.

FORESTRY SECTION

Supervisor: D. H. Burton

Developmental, Ecology, Forest Economics, Forest Protection, Forest Drought Studies, Mensuration, Nursery and Plantation, Silviculture, Site, Tree Breeding, Tree Nutrition, Tree Seed, Wood Science.

Special Services: Regional Planning Research

WILDLIFE SECTION

Supervisor: R. O. Standfield

Big Game, Diseases and Parasites, Furbearers, Predators, Upland Game and Waterfowl.

FISHERIES SECTION

This section is organized into two groups: the Great Lakes Fisheries Stations and other Units. The Great Lakes Units are located at Glenora (Lake Ontario), Wheatley (Lake Erie), Sault Ste. Marie and South Baymouth (Lake Superior and Lake Huron). They are a part of the District organization for administrative purposes, but the unit leaders report to the Fisheries Research Supervisor for planning and programming.

The other units reflect their function, being based upon disciplines and game fish species, and with the exception of the walleye and productivity units located at Thunder Bay, are based at Maple. They consist of Brook Trout Unit, Lake Trout Unit, Smallmouth Bass Unit, Limnology Unit, Parasitology Unit, Selective Breeding Unit and Technical Studies Unit.

The Harkness Memorial Laboratory at Lake Opeongo in Algonquin Park serves as a summer base for any of the above units.

FORESTRY SECTION

Forestry research is similarly divided into Field Units attached to Tweed District, Ontario Forest Technical School, Sault Ste. Marie District, Thunder Bay District, and Lake Simcoe District.

The following units are based at Maple: Developmental, Ecology, Forest Economics, Forest Protection, Frost Drought Studies, Mensuration, Site, Tree Breeding, Tree Seed, Tree Nutrition, Wood Science, Regional Planning Research. Nursery and Plantation research is conducted at Midhurst.

WILDLIFE SECTION

This section, in addition to conducting a research programme, provides a diagnostic service on animal parasites and diseases for the field staff.

The units, all based at Maple, are as follows: Big Game, Furbearers, Ungulates, Upland Game and Waterfowl, Diseases and Parasites.

The Diseases and Parasites Unit is currently co-operating in the development of rabies vaccine for wildlife with the Connaught Laboratories of the University of Toronto.

A field station is maintained in Algonquin Park for use of Research Branch staff and associated research workers.

ADMINISTRATION

This section provides technical support, consisting of biomathematics and computer consultation, draughting, electronics, mechanical development, library and photography.

Administrative services also provide for accounting, equipment control, personnel functions, public relations, reports and station operation and maintenance.

TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J.F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J.A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

On September 2nd, 1969 the Branch was reorganized into two sections, Timber Production and Timber Sales, and an Economics Unit.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 21 Districts is controlled by Timber Supervisors responsible to the District Forester. Districts are divided into Crown, Agreement Forest and Company Management Units.

In addition to management on Crown lands, Timber staff are responsible for the management of lands covered by agreements between the Minister and Conservation Authorities and Municipalities. They also provide an advisory and assistance service to private forest landowners.

J. A. Brodie was appointed Chief in 1959.

M. B. Morison was appointed Chief on September 1, 1964.

A.J. Herridge was appointed Chief on September 1, 1968.

TIMBER BRANCH

Chief: A. J. HERRIDGE

FOREST ECONOMICS UNIT

Supervisor: D. P. Drysdale

Forest Economics

TIMBER PRODUCTION SECTION

Supervisor: R. M. Dixon

Tree Production and Distribution
Silvicultural Operations
Agreement Forest Administration
Private Land Forestry

TIMBER SALES SECTION

Supervisor: J. Barron

Forest Resources Inventory
Management Planning
Sale of Timber
Scaling

TIMBER PRODUCTION SECTION

This section is responsible for:

- (a) the collection, processing, storing and distribution of sufficient tree seed for planting, seeding and research projects on private land, Agreement Forests and Crown land.
- (b) the improvement of tree seed of important commercial species through use of controlled collections and the establishment and development of seed orchards and seed production areas.
- (c) the production and distribution of stock for planting on private land, Agreement Forests and Crown land and special stock for Department of Highways and other government departments.
- (d) the regeneration of forests on Agreement Forests and Crown lands and on private lands under Woodlands Improvement Act agreements.
- (e) the tending of forests established on private land, Agreement Forests and Crown lands so as to improve the rate of growth and quality of the timber.
- (f) the administration of agreements made between the Minister and Corporations such as Conservation Authorities, Counties and Townships for the management of lands acquired by the Corporations for forestry purposes; recommending the payment of grants to Corporations to assist them in the acquisition of lands for agreement forest purposes.
- (g) advising and assisting Counties in the preparation of by-laws to be passed under The Trees Act to control the destruction of trees by cutting, burning or other means.
- (h) an extension service to provide information and guidance on forestry problems for private landowners, and negotiation of agreements under which planting and woodland improvement work is done on private land under The Woodlands Improvement Act.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1,480,539
1913-1925	13,096,866
1925-1930	46,642,175
1930-1935	51,996,837
1935-1940	67,900,012
1940-1945	57,617,763
1945-1946	13,175,575
1946-1947	12,269,533
1947-1948	13,049,776
1948-1949	17,700,970
1949-1950	19,027,807
1951-1952	20,749,268
1952-1953	24,241,754
1953-1954	23,448,860
1954-1955	25,519,383
1955-1956	28,351,483
1956-1957	31,081,112
1957-1958	25,854,262
1958-1959	33,414,110
1959-1960	41,682,125
1960-1961	49,833,412
1961-1962	43,194,863
1962-1963	43,767,916
1963-1964	43,922,685
1964-1965	49,484,068
1965-1966	49,019,854
1966-1967	51,712,461
1967-1968	54,805,170
1968-1969	52,157,150
1969-1970	62,623,496
TOTAL:	1,068,821,285

REFORESTATION ESTABLISHMENTS

As at March 31st, 1970

SEED PLANT	YEAR ESTABLISHED
Angus	1923
TREE NURSERIES	
Chapleau	1956
Gogama	1956
Sault Ste. Marie	1956
FOREST STATIONS	
Dryden	1958
Kemptville	1946
Midhurst	1922
Orono	1922
St. Williams	1908
Swastika	1958
Thunder Bay	1946

Forest stations include tree nurseries and demonstration forests.

NURSERY STOCK

From Department Nurseries in Year Ended March 31st, 1970.

Tree Species	For Use on Private Land	For Use on Crown Land and Agreement Forests	Educational or Scientific	TOTAL
White Pine	2,020,955	5,229,994	1,325	7,252,274
Red Pine	4,188,000	2,828,037	1,775	7,017,812
Jack Pine	609,650	8,641,145	700	9,251,495
Scotch Pine	1,515,175	20,844	600	a 2,536,619
White Spruce	3,480,545	19,845,238	800	23,326,583
Black Spruce	138,975	10,060,967	1,000	b 10,203,942
Norway Spruce	426,051	13,280	25	439,356
Red Spruce	2,550	302,225	.....	304,775
White Cedar	691,345	27,482	.....	718,827
European Larch	154,950	66,225	.....	221,175
Tamarack	68,675	203	.....	68,878
White Ash	107,791	23,894	380	132,065
Silver Maple	222,275	94,482	175	316,932
Red Oak	122,297	17,910	250	140,457
Carolina Poplar	297,295	37,159	550	335,004
Black Locust	107,200	8,225	100	115,525
Black Walnut	55,075	2,350	30	57,455
Other Species	38,160	145,982	180	184,322
TOTAL	14,246,964	47,365,642	7,890	62,623,496

a - Includes 1,000,000 furnished for miscellaneous purposes.

b - Includes 3,000 furnished for miscellaneous purposes.

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

COUNTY OR DISTRICT	1966	1967	1968	1969	1970	Five - Year Total 1966-1970
Algoma.....	182,950	168,025	75,050	152,250	110,450	688,725
Brant.....	108,400	182,050	163,050	96,650	292,625	842,775
Bruce.....	110,125	85,925	96,750	204,250	220,300	717,350
Carleton.....	218,575	170,825	134,000	304,475	330,325	1,158,200
Cochrane.....	7,100	3,000	7,525	12,200	...	29,825
Dufferin.....	281,150	242,950	307,225	431,675	508,100	1,771,100
Dundas.....	40,000	51,300	26,475	75,600	131,975	325,350
Durham.....	284,975	368,450	275,500	466,700	414,375	1,810,000
Elgin.....	81,650	79,450	65,625	138,725	292,075	657,525
Essex.....	52,550	48,625	67,675	47,350	51,750	267,950
Frontenac.....	130,950	155,500	161,925	140,675	281,650	870,700
Glengarry.....	62,375	58,950	276,350	200,825	301,100	899,600
Grenville.....	169,850	176,350	187,450	322,725	416,575	1,272,950
Grey.....	378,750	251,825	417,925	414,450	616,016	2,078,966
Haldimand.....	59,300	36,225	72,125	56,200	98,375	322,225
Haliburton.....	85,625	64,000	28,600	16,050	25,800	220,075
Halton.....	161,000	186,600	215,575	363,975	287,975	1,215,125
Hastings.....	256,725	196,500	161,725	308,450	467,425	1,390,825
Huron.....	182,225	114,950	93,800	25,650	93,110	509,735
Kenora.....	70,500	98,700	143,325	57,575	8,350	378,450
Kent.....	65,425	40,425	58,600	19,050	39,227	222,727
Lambton.....	69,025	74,650	91,975	59,280	52,050	346,980
Lanark.....	190,825	150,925	130,875	274,450	391,950	1,139,025
Leeds.....	45,175	102,475	60,225	178,450	180,850	567,175
Lennox & Addington...	57,300	52,925	54,325	68,425	100,165	333,140

Lincoln.....	35,700	30,150	70,050	54,875	68,125	258,900
Manitoulin.....	3,175	101,600	156,850	3,275	11,150	276,050
Middlesex.....	258,450	245,350	234,650	205,946	247,153	1,191,549
Muskoka.....	191,550	138,300	268,800	157,550	186,875	943,075
Nipissing.....	111,825	125,800	122,425	40,975	12,075	413,100
Norfolk.....	211,300	169,525	262,500	211,550	251,914	1,106,789
Northumberland.....	149,725	114,550	119,225	317,325	263,000	963,825
Ontario.....	548,550	341,850	335,100	256,425	400,982	1,882,907
Oxford.....	102,575	289,550	360,125	139,850	245,150	1,137,250
Parry Sound.....	128,300	302,350	192,525	179,875	326,725	1,129,775
Peel.....	616,075	461,425	385,875	425,274	429,800	2,318,449
Perth.....	276,625	14,750	48,325	77,150	35,550	452,400
Peterborough.....	138,750	184,800	356,225	324,993	381,438	1,386,206
Prescott.....	143,050	366,700	90,775	397,925	159,375	1,157,825
Prince Edward.....	38,150	25,900	19,475	20,950	52,600	157,075
Rainy River.....	79,100	166,350	130,187	71,938	204,950	652,525
Renfrew.....	289,525	318,225	821,750	1,391,825	1,179,325	4,000,650
Russell.....	102,950	92,650	153,825	216,375	125,425	691,225
Simcoe.....	1,546,500	665,375	881,685	880,110	993,319	4,966,989
Stormont.....	20,950	39,700	46,000	100,375	86,325	293,350
Sudbury.....	185,250	156,475	145,675	110,800	117,675	715,875
Thunder Bay.....	654,475	521,150	185,175	200,325	559,700	2,120,825
Timiskaming.....	15,200	9,350	11,400	10,550	5,625	52,125
Victoria.....	60,700	47,375	37,850	47,789	263,150	456,864
Waterloo.....	199,625	191,350	200,250	256,775	297,025	1,145,025
Welland.....	224,725	214,250	191,400	170,175	220,325	1,020,875
Wellington.....	525,900	256,175	193,175	607,750	435,200	2,018,200
Wentworth.....	315,100	207,175	310,495	318,500	453,775	1,605,045
York.....	786,575	582,525	514,050	322,835	520,640	2,726,625
TOTAL.....	11,312,900	9,542,325	10,219,517	11,956,165	14,246,964	57,277,871

FOREST AREAS MANAGED BY THE MINISTER as of March 31, 1970

23 CONSERVATION AUTHORITIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1969-70	Total
Ausable River	Dec. 13, 1951	.....	4,299.00
Big Creek Region	Dec. 2, 1954	75.00	3,841.40
Cattfish Creek	Dec. 19, 1962	.....	501.00
Central Lake Ontario	Sept. 24, 1963	.....	195.00
Crowe Valley	Aug. 21, 1963	.....	200.00
Ganaraska Region	Jan. 31, 1947	.....	8,548.60
Grand River	Mar. 18, 1952	.....	5,866.37
Hamilton Region	Oct. 19, 1962	.....	12.50
Lakehead Region	May 15, 1958	.....	1,266.70
Lower Thames Valley	Aug. 12, 1964	.....	300.00
Maitland Valley	Apr. 1, 1955	.....	949.00
Metropolitan Toronto and Region ..	Apr. 11, 1951	.....	1,928.00
Molra River	Nov. 28, 1951	.....	16,497.00
Napanee Valley	Oct. 28, 1954	.....	6,666.00
Niagara Peninsula	June 6, 1963	.....	186.00
North Grey Region	June 25, 1958	.....	7,255.00
Otonabee Region	May 15, 1963	275.00	1,820.00
Otter Creek	Apr. 26, 1957	.....	1,532.00
Sauble Valley	Sept. 29, 1959	.....	3,816.00
Saugeen Valley	Dec. 15, 1952	309.00	13,573.00
South Nation River	Mar. 28, 1960	791.30	2,429.80
Sydenham Valley	July 13, 1965	.....	150.00
Upper Thames River	Apr. 11, 1951	.....	3,444.36
Sub-Totals		1,450.30	85,260.73
11 TOWNSHIPS			
Bonfield	Apr. 1, 1952	.....	60.00
Charlottenburgh	Apr. 1, 1955	.....	175.00
Cramahe	Jan. 14, 1964	.....	162.00
Cumberland	May 29, 1952	.....	808.44
Darlington	Aug. 19, 1964	.....	140.00
Galway & Cavendish	Nov. 1, 1952	.....	619.00
Machar	Dec. 30, 1963	.....	90.00
Marlborough	Nov. 21, 1953	.....	200.00
Mosa	July 16, 1964	.....	144.00
Torbolton	Mar. 28, 1953	.....	430.80
Williamsburgh	Oct. 19, 1962	.....	400.00
Sub-Totals .....		.....	3,229.24

FOREST AREAS MANAGED BY THE MINISTER (Continued)

24 AGREEMENTS - 29 COUNTIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1969-70	Total
Brant.....	Nov. 15, 1952	.....	50.00
Bruce	Jan. 20, 1950	.....	15,533.35
Carleton.....	July 30, 1964	.....	680.00
Dufferin.....	Nov. 26, 1930	.....	2,405.00
Grey.....	Dec. 21, 1937	.....	8,378.08
Halton.....	Mar. 14, 1950	.....	1,498.63
Huron.....	Nov. 27, 1950	.....	1,439.00
Kent.....	Dec. 23, 1953	.....	75.39
Lanark.....	July 5, 1940	495.00	4,130.00
Leeds & Grenville.....	Apr. 24, 1940	959.00	11,176.00
Lennox & Addington.....	Apr. 3, 1952	.....	1,186.00
Middlesex.....	Mar. 8, 1954	.....	1,793.90
Northumberland & Durham.....	June 10, 1924	.....	5,819.00
Ontario.....	July 9, 1930	700.00	4,641.00
Oxford.....	Sept. 1, 1950	.....	716.56
Prescott & Russell.....	Mar. 15, 1937	502.87	25,252.93
Renfrew.....	Dec. 26, 1951	1,277.00	13,306.00
Simcoe.....	June 19, 1925	437.00	21,582.74
Stormont, Dundas & Glengarry.....	Sept. 20, 1949	318.00	2,566.45
Victoria.....	Aug. 10, 1928	.....	8,319.00
Waterloo.....	Apr. 17, 1950	.....	710.48
Wellington.....	June 18, 1964	.....	1,100.00
Wentworth.....	Nov. 27, 1952	.....	989.30
York.....	Mar. 27, 1924	.....	4,725.08
Sub-Totals.....		4,688.87	138,073.89
REGIONAL MUNICIPALITIES			
Ottawa-Carleton.....	July 30, 1964	150.00	830.00
GOVERNMENT OF CANADA			
National Capital Commission.....	Aug. 16, 1961	.....	3,632.00
TOTALS.....		6,289.17	231,025.86

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER In years ending March 31st

FIVE - YEAR
TOTAL

CONSERVATION AUTHORITY	1966	1967	1968	1969	1970	1966 - 1970
SUB-TOTAL.....	1,127,069	1,086,900	969,650	568,920	294,750	4,047,189
TOWNSHIP						
Charlotteburgh.....	750	.....	.....	2,500	.....	3,250
Cramahe.....	33,000	4,500	.....	.....	.....	37,500
Cumberland.....	.....	.....	.....	.....	.....	.....
Darlington.....	10,000	.....	.....	.....	.....	10,000
Mosa.....	.....	5,000	.....	.....	.....	5,000
Galway, Cavendish.....	18,000	.....	.....	.....	.....	18,000
Machar.....	.....	.....	.....	.....	.....	.....
Marlborough.....	20,000	.....	.....	.....	40,000	60,000
Torbolton.....	.....	.....	.....	.....	109,000	109,000
Williamsburgh.....	.....	.....	.....	.....	52,000	52,000
SUB-TOTAL.....	81,750	9,500	.....	2,500	201,000	294,750

National Capital Commission.....		328,400	219,550	392,700	416,675	161,029	1,518,354
COUNTY							
Brant.....	.....	.....	.....	.....	.....	.....	.....
Bruce.....	30,204	.....	67,000	61,000	200	29,700	188,104
Carleton.....	29,000	.....	.....	84,000	50,000	.....	163,000
Dufferin.....	2,226	.....	3,000	13,300	.....	8,300	26,826
Grey.....	36,800	.....	99,450	48,400	.....	.....	184,650
Haldon.....	6,000	.....	35,100	.....	27,950	4,000	73,050
Huron.....	300	.....	5,800	28,475	.....	.....	34,575
Kent.....	.....	.....	.....	.....	.....	.....	.....
Lanark.....	77,225	.....	78,000	101,900	.....	.....	328,425
Leeds & Grenville.....	177,800	.....	537,700	689,250	670,300	478,100	2,553,150
Lennox & Addington.....	.....	.....	.....	.....	.....	.....	.....
Middlesex.....	8,500	.....	7,825	5,700	1,000	16,000	39,025
Northumberland and Durham.....	19,000	.....	18,000	35,000	10,000	26,250	108,250
Ontario.....	39,000	.....	3,050	.....	37,400	1,000	80,450
Oxford.....	.....	.....	29,250	2,000	.....	.....	31,250
Prescott & Russell.....	224,500	.....	228,450	204,875	158,000	272,200	1,088,025
Renfrew.....	419,450	.....	338,400	348,000	170,250	270,000	1,546,100
Simcoe.....	214,100	.....	241,675	251,000	322,325	257,750	1,286,850
Stormont, Dundas and Glengarry.....	104,750	.....	14,000	.....	.....	33,200	151,950
Victoria.....	44,000	.....	.....	.....	.....	.....	44,000
Waterloo.....	5,000	.....	26,200	22,000	9,000	3,500	65,700
Wellington.....	.....	.....	5,000	.....	900	15,500	21,400
Wentworth.....	1,000	.....	6,500	25,000	19,000	14,250	65,750
York.....	35,500	.....	5,000	.....	5,020	3,000	48,520
SUB-TOTAL.....		1,474,355	1,749,400	1,919,900	1,521,345	1,464,050	8,129,050
TOTAL.....		3,011,574	3,065,350	3,282,250	2,509,440	2,120,829	13,989,343

TREES PLANTED ON CROWN LANDS In years ending March 31st

DISTRICT	1966	1967	1968	1969	1970	FIVE-YEAR TOTAL	
						1966-1970	1966-1970
Chapleau.....	3,552,475	3,621,800	3,559,700	2,671,800	3,601,000	17,006,775	17,006,775
Cochrane.....	2,232,000	2,456,875	2,534,831	2,535,550	2,658,700	12,417,956	12,417,956
Fort Frances.....	779,400	1,087,350	1,144,500	1,500,600	2,303,739	6,815,589	6,815,589
Geraldton.....	2,031,775	4,737,125	4,743,800	6,275,192	6,607,475	24,395,367	24,395,367
Gogama.....	4,135,125	3,696,225	3,181,577	.....	.....	11,012,927	11,012,927
Kapuskasing.....	2,708,375	4,674,117	4,498,561	4,742,065	5,965,600	22,588,718	22,588,718
Kemptville.....	37,075	252,450	369,663	291,600	384,320	1,335,108	1,335,108
Kenora.....	849,050	1,298,100	948,585	2,060,575	1,985,450	7,141,760	7,141,760
Lake Erie.....	409,915	354,300	184,600	82,616	135,000	1,166,431	1,166,431
Lake Huron.....	47,800	16,760	13,750	91,450	33,619	203,379	203,379
Lake Simcoe.....	45,320	40,325	.....	.....	.....	85,645	85,645
Lindsay.....	603,500	899,100	790,000	228,000	215,814	2,736,414	2,736,414
North Bay.....	1,644,000	1,614,000	1,601,730	1,767,000	1,248,500	7,875,230	7,875,230
Parry Sound.....	458,200	754,731	892,850	775,985	655,000	3,536,766	3,536,766
Pembroke.....	937,255	1,097,000	1,569,775	1,460,275	1,880,000	6,944,305	6,944,305
Sault Ste. Marie.....	2,827,895	3,150,750	3,051,625	2,508,925	2,018,475	13,557,670	13,557,670
Sioux Lookout.....	695,500	738,300	1,776,905	2,094,600	2,694,100	7,999,405	7,999,405
Sudbury.....	1,931,700	2,611,780	3,343,536	2,555,350	6,015,225	16,457,591	16,457,591
Swastika.....	2,146,825	3,371,850	3,834,850	3,969,925	3,982,425	17,305,575	17,305,575
Thunder Bay.....	1,337,600	2,246,500	2,021,800	2,482,100	3,126,800	11,214,800	11,214,800
Tweed.....	693,850	1,138,612	1,172,800	783,050	700,000	4,488,312	4,488,312
White River.....	327,475	304,000	546,000	1,015,000	1,439,200	3,631,675	3,631,675
Miscellaneous.....	2,555,154	.....	.....	.....	.....	2,555,154	2,555,154
TOTAL.....	32,987,264	40,162,050	41,781,138	39,891,658	47,650,442	207,472,552	207,472,552
Total Planted on Crown Land and Agreement Forests	35,998,838	43,277,400	45,063,388	42,401,098	49,771,271	216,511,995	216,511,995

TREES PLANTED IN FOREST DISTRICTS for year ending March 31, 1970.

District	CROWN LAND		AGREEMENT FORESTS		PRIVATE LANDS		OTHER	TOTAL TREES
	Nursery Trees	Container Stock	Nursery Trees	Nursery Trees	Nursery Trees	Nursery Trees		
Chapleau.....	3,601,000	429,600	.....	.....	.....	.....	.....	4,030,600
Cochrane.....	2,658,700	1,705,700	.....	.....	.....	.....	.....	4,363,900
Fort Frances.....	2,303,739	88,100	.....	.....	204,950	.....	.....	2,596,789
Geraldton.....	6,607,475	30,000	.....	.....	.....	.....	.....	6,637,475
Kepuskasing.....	5,965,600	611,000	.....	.....	.....	.....	.....	6,576,600
Kemptville.....	384,320	.....	1,217,179	.....	2,123,900	.....	.....	3,725,399
Kenora.....	1,985,450	106,200	.....	.....	8,350	.....	.....	2,100,000
Lake Erie.....	135,000	.....	52,400	.....	1,320,994	.....	.....	1,508,394
Lake Huron.....	33,619	.....	208,750	.....	2,976,726	.....	.....	3,219,095
Lake Simcoe.....	.....	.....	284,250	.....	2,852,841	.....	.....	3,137,091
Lindsay.....	215,814	.....	50,250	.....	1,347,763	.....	.....	1,613,827
North Bay.....	1,248,500	735,700	.....	.....	.....	.....	.....	1,984,200
Parry Sound.....	655,000	601,800	.....	.....	513,600	.....	.....	1,770,400
Pembroke.....	1,880,000	622,000	200,000	.....	1,191,400	.....	.....	3,893,400
Sault Ste. Marie.....	2,018,475	1,161,200	.....	.....	110,450	.....	.....	3,290,125
Sioux Lookout.....	2,694,100	214,800	.....	.....	.....	.....	.....	2,908,900
Sudbury.....	6,015,225	602,800	.....	.....	128,825	.....	.....	6,746,850
Swastika.....	3,982,425	2,236,500	.....	.....	5,625	.....	.....	6,224,550
Thunder Bay.....	3,126,800	1,402,200	5,000	.....	559,700	.....	.....	5,093,700
Tweed.....	700,000	.....	103,000	.....	901,840	.....	.....	1,704,840
White River.....	1,439,200	1,786,200	.....	.....	.....	.....	.....	3,225,400
Unclassified.....	.....	.....	.....	.....	.....	1,010,890	.....	1,010,890
TOTALS.....	47,650,442	12,333,300	2,120,829	.....	14,246,964	1,010,890	.....	77,362,425

FOREST REGENERATION BY DISTRICTS — Acreage for year ending March 31st, 1970.

CROWN LAND	NATURAL REGENERATION				DIRECT SEEDING			PLANTING			Total Area Regener- ated	For Seeding and Planting
	Site Prepar.	Modified Harvest Systems	Seed- Tree System	Sub- Total	Ground	Aerial	Sub- Total	Nursery Stock	Tubed Seedling	Sub- Total		
Chapleau.....	1,673	.....	.....	1,673	85	1,603	1,688	4,029	441	4,470	7,831	4,561
Cochrane.....	.....	.....	.....	.....	.....	.....	.....	3,499	2,003	5,502	5,502	3,406
Fort Frances.....	.....	.....	.....	.....	.....	.....	.....	5,062	101	5,163	5,163	967
Geraldton.....	3,255	444	.....	3,699	364	4,845	5,209	8,601	24	8,625	17,533	7,086
Kapuskasing.....	.....	.....	.....	.....	.....	.....	.....	9,865	570	10,435	10,435	2,734
Kenora.....	.....	.....	.....	.....	.....	.....	.....	491	.....	491	491	148
.....	2,244	.....	.....	2,244	174	1,180	1,354	2,890	125	3,015	6,613	2,158
.....	.....	.....	.....	.....	.....	.....	.....	147	.....	147	147	.....
.....	.....	.....	.....	.....	.....	.....	.....	20	.....	20	20	.....
.....
.....
.....	228	.....	.....	228	.....	.....	.....	366	.....	366	594	.....
.....	485	422	.....	907	550	500	1,050	2,414	1,359	3,773	5,730	3,764
.....	972	.....	.....	972	.....	.....	.....	1,082	685	1,767	2,739	1,244
.....	1,029	5,240	8,953	15,222	.....	.....	.....	3,607	1,195	4,802	20,024	992
.....	2,713	474	1,514	4,701	.....	.....	.....	2,862	1,330	4,192	8,893	936
.....	4,536	.....	.....	4,536	250	580	830	3,198	253	3,451	8,817	483
.....	500	140	.....	640	.....	.....	.....	6,571	698	7,269	7,909	1,575
.....	.....	.....	.....	.....	.....	.....	.....	4,535	1,739	6,274	6,274	12,944
.....
.....	2,415	395	1,031	3,841	180	.....	180	4,322	703	5,025	9,046	2,506
.....	.....	1,426	2,000	3,426	.....	.....	.....	1,063	.....	1,063	4,489	.....
.....	928	267	.....	1,195	628	215	843	1,457	1,769	3,226	5,264	1,337
.....	20,978	8,808	13,498	43,284	2,231	8,923	11,154	66,081	12,995	79,076	133,514	46,841

* Not Included In Total Area Regenerated.

FOREST REGENERATION BY DISTRICTS — Acreage for year ending March 31st, 1970.

AGREEMENT FORESTS	NATURAL REGENERATION				DIRECT SEEDING			PLANTING			*SITE PREPARATION	
	Site Prepar.	Modified Harvest Systems	Seed-Tree System	Sub-Total	Ground	Aerial	Sub-Total	Nursery Stock	Tubed Seedling	Sub-Total	Total Area Regenerated	For Seeding and Planting
Kemptville.....	414	.....	414	.....	.....	.....	1,373	.....	373	1,787	449
Lake Erie.....	5	.....	5	.....	.....	.....	52	.....	52	57	.....
Lake Huron.....	1	.....	1	2	.....	2	331	.....	331	334	1
Lake Simcoe.....	9	.....	9	.....	.....	.....	296	.....	296	305	42
Lindsay.....	51	.....	51	51	56
Peabroke.....	206	.....	206	206	85
Thunder Bay.....	4	.....	4	4	.....
Tweed.....	227	.....	227	227	13
Sub-Totals	429	.....	429	2	.....	2	2,540	.....	2,540	2,971	646
TOTAL.....	20,978	9,237	13,498	43,713	2,233	8,923	11,156	68,621	12,995	81,616	136,485	47,487

*Not included in Total Area Regenerated

FOREST TENDING BY DISTRICTS — Acreage for year ending March 31st, 1970.

Forest District	Hand Cleaning	Herbicide Spraying	Thinning & Improvement Cutting	Girdling & Frilling & Poisoning	Pruning	Fertilization	Drainage	Total
CROWN LAND								
Chapleau.....	390	708	.....	.....	.....	.....	...	1,098
Cochrane.....	110	.....	.....	788	.....	.....	...	898
Fort Frances.....	.....	2,665	.....	.....	.....	.....	40	2,705
Geraldton.....	330	9,475	.....	.....	.....	.....	...	9,805
Kepuskasing.....	123	11,475	.....	.....	.....	400	...	11,998
Kemptville.....	.....	.....	382	143	.....	.....	...	525
Kenora.....	788	2,150	.....	.....	.....	.....	...	2,938
Lake Erie.....	.....	.....	203	.....	.....	.....	...	203
Lake Huron.....	.....	.....	.....	.....	.....	.....	...	.....
Lake Simcoe.....	.....	.....	.....	.....	.....	.....	...	.....
Lindsay.....	442	.....	.....	574	255	84	...	1,355
North Bay.....	1,499	1,582	100	.....	.....	.....	...	3,181
Parry Sound.....	.....	2,278	210	1,514	.....	.....	...	4,002
Pembroke.....	120	2,314	3,723	606	.....	.....	...	6,763
Sault Ste. Marie.....	1,509	2,146	670	2,176	389	.....	...	6,890
Sioux Lookout.....	92	.....	100	.....	.....	.....	...	192
Sudbury.....	.....	4,800	700	.....	.....	.....	...	5,500
Swastika.....	684	742	.....	.....	.....	530	...	1,956
Thunder Bay.....	224	1,685	.....	.....	30	.....	...	1,939
Tweed.....	580	240	.....	40	224	.....	...	1,084
White River.....	.....	12	23	.....	.....	.....	...	35
Sub-Total:	6,891	42,272	6,111	5,841	898	1,014	40	63,067

FOREST TENDING BY DISTRICTS — Acreage for year ending March 31st, 1970.

Forest District	Hand Cleaning	Herbicide Spraying	Thinning & Improvement Cutting	Girdling Frilling & Poisoning	Pruning	Fertilization	Drainage	Total
AGREEMENT FORESTS.....								
Kemptville.....	940	220	518	.....	408	.....	...	2,086
Lake Erie.....	.....	.....	.....	50	.....	44	...	94
Lake Huron.....	279	15	45	322	246	.....	...	907
Lake Simcoe.....	.....	22	377	.....	79	.....	...	478
Lindsay.....	24	.....	.....	72	270	.....	...	366
Tweed.....	.....	.....	40	.....	.....	.....	...	40
Sub-Total	1,243	257	980	444	1,003	44	...	3,971
TOTAL.....	8,134	42,529	7,091	6,285	1,901	1,058	40	67,038

SILVICULTURAL OPERATIONS ON CROWN LANDS - Acreage treated in years ending March 31st.

Operations	1966	1967	1968	1969	1970	FIVE-YEAR TOTAL 1966-1970
REGENERATION						
Site Preparation for						
Natural Regeneration...	13,541	16,997	16,838	16,704	20,978	84,878
Modified Harvest System.	1,340	1,483	9,200	9,747	8,808	30,578
Seed Tree System.....	13,366	1,816	1,718	3,260	13,498	33,658
Planting.....	54,480	51,010	78,134	77,168	79,076	339,868
Direct Seeding.....	7,202	8,923	11,135	9,618	11,154	48,032
Sub-Total:	89,929	80,329	117,025	116,497	133,514	537,294
TENDING						
Hand Cleaning.....	6,290	4,481	3,291	13,591	6,891	34,544
Herbicide Spraying.....	18,494	12,620	23,053	25,236	42,272	121,625
Thinning, Improvement,						
Cutting	3,623	5,700	8,011	7,296	6,111	30,741
Girdling, Frilling,						
Poisoning.....	4,878	1,365	1,854	7,085	5,841	21,023
Pruning.....	634	1,907	441	1,582	898	5,462
Fertilization.....	.....	.....	118	95	1,014	1,227
Drainage.....	.....	.....	.....	.....	40	40
Sub-Total:	33,919	26,073	36,766	54,885	63,067	214,710
TOTAL.....	123,848	106,402	153,791	171,382	196,581	752,004
Site Preparation for						
Planting and Seeding....	15,131	35,157	44,541	54,029	46,841	195,699
TOTAL AREA.....	138,979	141,559	198,332	225,411	243,422	947,703

ECONOMICS UNIT

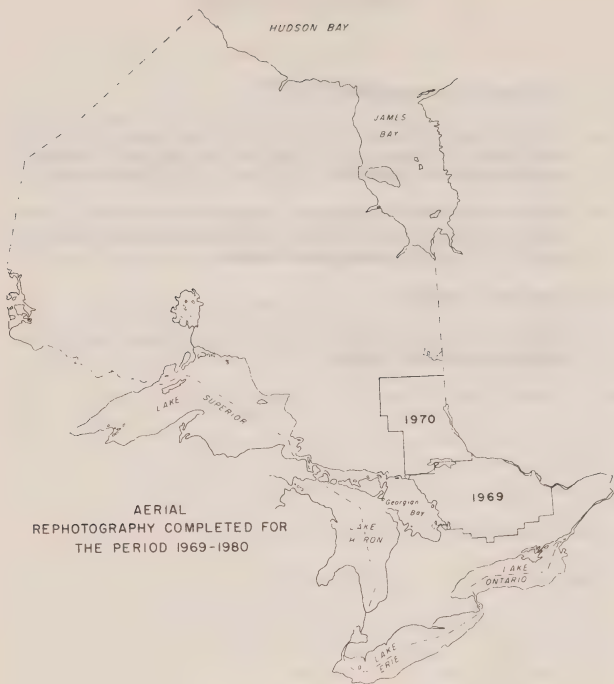
This Unit advises on economics and marketing by:

- (i) collecting and analysing information on production, transportation and marketing of timber.
- (ii) assisting established forest industry by providing information and data; conducting feasibility studies to accommodate prospective industry and facilitating contact with other Government agencies.
- (iii) conducting special studies such as forest industry impact on Government revenues and owner attitude toward various uses of forest land.
- (iv) issuing saw mill licenses, preparing domestic saw mill directories and interpreting statistical information for the Branch.

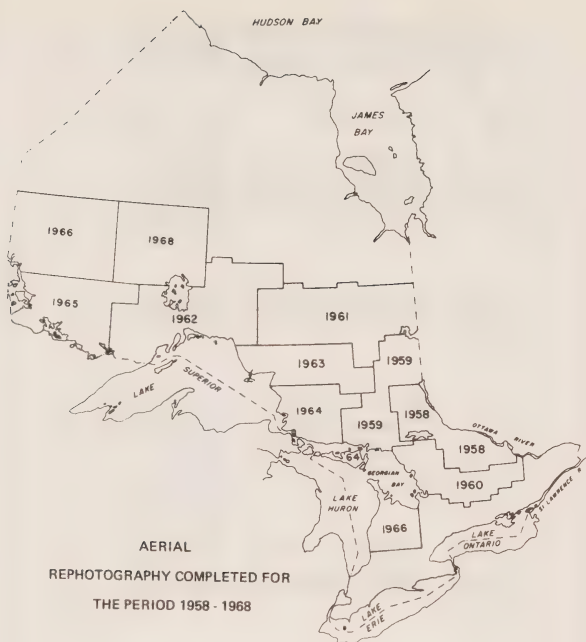
TIMBER SALES SECTION

This Section is responsible for:

- (a) The inventory of forest resources on Crown lands. The policy with respect to inventory on large licences has been changed to one in which the Department will carry out all inventories.
- (b) The preparation of management plans for Crown Management Units and Agreement Forests and the approval of plans prepared for Company Management Units.
- (c) The sale of timber.
- (d) The measurement of timber cut on Crown lands for the purposes of collecting charges.



An up-to-date record of the condition of our forests is an essential part of management planning. Aerial photography has become an increasingly important source of such data since its beginning here in 1926. During the 1946-1956 decade, almost the entire province was photographed, and a forest resources inventory was issued in 1958.



TIMBER CUT ON CROWN LAND IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	+Sawlogs	*Long Timber	Pulpwood	Fuel Wood	††Misc.	Total Volume	Stumpage Value
1954	.....	58,144	851	225,659	3,647	26,840	315,141	\$10,756
1955	.....	73,522	2,378	245,988	4,804	8,114	334,806	11,658
1956	5,403	110,413	2,259	262,146	4,214	826	379,888	12,191
1957	5,192	96,953	2,781	289,985	4,517	858	395,054	13,514
1958	5,051	83,700	2,796	245,161	3,891	1,290	336,838	11,565
1959	5,421	80,157	2,644	207,003	3,968	1,836	295,608	10,297
1960	5,096	93,366	3,499	246,493	2,744	2,038	348,140	12,282
1961	5,114	107,824	2,720	232,744	2,678	1,146	347,112	12,182
1962	4,534	86,559	1,474	233,782	2,091	1,695	325,601	11,297
1963	4,664	101,999	1,267	237,423	1,965	3,195	345,850	12,091
1964	4,392	122,015	1,524	231,301	1,614	3,611	360,065	12,506
1965	3,095	127,469	2,467	240,209	1,601	4,463	376,209	13,455
1966	3,330	115,388	2,407	261,923	1,143	4,980	385,841	13,446
1967	2,805	93,541	1,966	321,161	1,028	5,773	423,469	14,582
1968	2,695	99,719	1,448	327,315	1,739	5,674	435,895	14,866
1969	2,459	82,845	1,112	304,784	646	6,749	396,136	13,809
1970	2,310	76,747	867	351,860	548	327	430,349	14,428

* Includes veneer bolts and veneer logs.

* Includes piling, poles, dimension and boom timber.

†† Includes mining timbers, poker poles, posts, Christmas trees, other.

VOLUME OF WOOD CUT ON CROWN LAND BY SPECIES - 000's cubic feet in years ending March 31st

SPECIES	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
SOFTWOODS										
Balsam.....	4,766	12,316	11,174	10,219	11,454	10,044	11,366	14,525	12,225	13,677
Cedar.....	331	341	105	182	177	170	205	567	255	185
Hemlock.....	2,780	2,429	1,841	3,032	3,128	2,694	2,759	2,855	2,355	2,251
Jack Pine.....	76,857	70,903	78,485	82,239	89,613	99,390	111,791	107,895	114,166	121,391
Red Pine.....	5,037	5,291	6,029	6,446	7,297	6,767	6,962	7,022	4,572	4,571
Scotch Pine.....	.....	.....	.....	.....	17	.....	.....	.....	.....	.....
White Pine.....	19,150	17,606	21,930	24,409	24,759	24,702	22,073	24,316	17,389	14,290
Spruce.....	191,047	178,063	182,327	183,756	195,017	197,935	223,502	220,569	198,982	221,448
Tamarack.....	75	36	39	28	98	73	86	120	61	22
Mixed Conifers...	1,477	906	828	453	445	419	449	659	302	356
HARDWOODS										
Ash.....	109	65	100	95	104	143	85	76	125	53
Basswood.....	469	359	434	575	480	465	360	462	392	325
Beech.....	385	175	278	483	359	480	432	351	255	332
White Birch.....	1,784	1,754	2,295	3,732	3,332	3,203	2,964	5,654	3,430	2,241
Yellow Birch.....	6,972	6,925	8,822	8,963	8,983	8,284	7,400	8,370	5,780	4,588
Butternut.....	2	2	2	2	1	1	1	2	1	1
Cherry.....	26	20	18	22	30	25	25	20	14	20
Elm.....	261	274	286	267	278	384	247	423	199	170
Maple.....	5,787	5,212	6,537	7,649	8,459	8,323	9,041	10,004	5,963	5,235
Oak.....	239	207	276	355	348	387	321	282	331	311
Poplar.....	18,356	21,256	22,907	25,995	20,654	21,205	21,260	27,682	22,535	24,994
Mixed Hardwoods..	1,202	1,186	1,137	1,162	1,166	744	2,140	4,062	6,705	13,889
TOTALS										
Softwoods.....	311,519	287,894	302,758	310,765	332,014	342,196	379,193	378,508	350,407	378,191
Hardwoods.....	35,593	37,707	43,092	49,300	44,195	43,645	47,276	57,388	45,730	52,159
All Species.....	347,112	325,601	345,850	360,065	376,209	385,841	423,469	435,895	396,137	430,350
Total Value*	12,048	11,229	12,057	12,473	13,417	13,416	14,528	14,832	13,809	14,428

(*\$000's, export levy not included)

TIMBER CUT ON CROWN LAND, BY FOREST DISTRICTS In 000's Cubic Feet and \$000's in year ending March 31, 1969.

DISTRICTS	Permits Issued	Sawlogs	Long Timber	Pulpwood	Fuel Wood	Misc.	Total Volume	Stumpage Value
Chapleau.....	39	14,841	175	14,409	16	2,036	31,477	\$ 891
Cochrane.....	421	5,072	7	31,971	46	61	37,157	1,240
Fort Frances.....	135	83	21	14,383	11	531	15,029	1,365
Geraldton.....	46	1,994	...	58,127	21	60	60,202	1,801
Kapuskasing.....	175	9,920	4	40,404	26	.....	50,354	1,903
Kemptville.....	5	51	...	2	5	2	60	4
Kenora.....	239	581	88	28,759	23	10	29,461	954
Lake Simcoe.....	8	2	...	.....	3	89	94	8
Lindsay.....	40	930	2	12	17	23	984	50
North Bay.....	195	10,715	105	5,860	35	7	16,722	752
Parry Sound.....	131	2,899	14	220	53	2,367	5,553	395
Pembroke.....	74	10,891	593	4,691	15	.....	16,190	856
Port Arthur.....	203	3,180	13	38,617	22	338	42,170	1,310
Sault Ste. Marie....	99	4,663	2	1,951	162	254	7,032	1,470
Sioux Lookout.....	68	810	17	30,396	97	47	31,367	967
Sudbury.....	174	5,365	6	4,061	33	3	9,468	344
Swastika.....	197	6,947	49	14,041	65	54	21,156	645
Tweed.....	196	2,730	14	1,696	12	6	4,458	234
White River.....	14	1,171	...	15,184	...	845	17,200	621

NEW POLICIES

[illegible]

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		15,936.28	1,354,583.80	27,083.24
	Red Pine.....		2,997.08	254,751.80	7,473.19
	Jack Pine.....		355,120.13	30,185,211.90	776,281.23
	Pine-All.....		190.79	16,217.15	269.28
	Spruce.....		891,466.89	75,771,980.10	2,899,903.79
	Hemlock.....		1,784.85	151,712.25	3,234.54
	Balsam.....		51,707.28	4,395,118.80	93,896.95
	Cedar.....		508.70	43,239.50	1,059.41
	Tamarack.....		338.07	28,735.95	572.78
	Conifers.....		13.93	1,184.05	19.50
	Maple.....		7,312.27	621,542.95	6,129.35
	Yellow Birch.....		191.78	16,301.30	202.84
	White Birch.....		11,003.60	935,306.00	19,626.04
	Oak.....		11.22	953.70	11.68
	Beech.....		9.41	799.85	7.06
	Ash.....		6.65	565.25	8.32
	Elm.....		21.00	1,785.00	21.00
	Poplar.....		117,270.99	9,968,034.15	96,082.09
	Hardwood.....		53,956.90	4,586,336.50	49,281.83
Total			1,509,847.82	128,334,360.00	3,981,164.12
Pulpwood Peeled	Jack Pine.....		1,694.70	168,159.60	4,143.27
	Spruce.....		6,803.65	679,738.75	24,926.65
	Balsam.....		120.20	12,020.00	205.63
	Tamarack.....		.05	5.00	.08
	White Birch.....		.60	60.00	.54
	Poplar.....		9,825.81	974,827.20	8,135.14
	Hardwood.....		848.78	74,066.75	830.82
Total			19,293.79	1,908,877.30	38,242.13

Veneer Bolts

Jack Pine.....	57.69	4,903.65	121.17
Spruce.....	308.72	26,241.20	975.17
Balsam.....	7.28	618.80	13.71
White Birch.....	4,279.12	363,725.20	6,131.91
Poplar.....	15,528.12	1,319,890.20	13,051.10
Total	20,180.93	1,751,379.05	20,293.60

Fuelwood

Jack Pine.....	137.17	11,659.45	78.84
Spruce.....	19.59	1,665.15	9.80
Balsam.....	67.73	5,757.05	33.87
Softwood.....	2,771.82	235,604.70	2,034.14
White Birch.....	26.65	2,265.25	84.22
Hardwood.....	4,572.00	388,620.00	4,018.63
Total	7,594.96	645,571.60	6,259.50
Total Cordage	1,556,917.50	132,604,187.95	4,045,958.81

Logs, Longtimbers Pulp Logs

White Pine.....	721,389.31	721,389.31	11,955.30
Red Pine.....	7,425.64	7,425.64	253.19
Jack Pine.....	13,514,846.57	13,514,846.57	336,688.03
Spruce.....	24,410,143.66	24,410,143.66	889,410.43
Hemlock.....	1,258.86	1,258.86	20.77
Balsam.....	1,810,547.60	1,810,547.60	33,580.81
Tamarack.....	13,374.00	13,374.00	346.46
Conifers.....	81,698.60	81,698.60	1,348.01
Maple.....	37,475.36	37,475.36	226.20
Yellow Birch.....	28.20	28.20	.33
White Birch.....	8,802.84	8,802.84	88.56
Beech.....	13.23	13.23	.14
Ash.....	121.45	121.45	1.23
Elm.....	54.66	54.66	.58
Basswood.....	219.48	219.48	2.19
Poplar.....	86,601.49	86,601.49	1,015.01
Hardwood.....	1,327,598.27	1,327,598.27	11,112.97
Total	42,021,599.22	42,021,599.22	1,286,050.18

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, Cubic Feet					
	White Pine.....	120,131	1,369,833.87	1,369,833.87	85,411.87
	Red Pine.....	136,531	1,203,511.16	1,203,511.16	74,531.19
	Jack Pine.....	3,223,535	16,882,617.50	16,882,617.50	497,946.97
	Spruce.....	3,412,986	17,274,272.52	17,274,272.52	683,725.52
	Healock.....	67	7,479.54	7,479.54	313.29
	Balsam.....	227,030	1,315,961.80	1,315,961.80	29,403.18
	Cedar.....	1,331	85,010.02	85,010.02	1,806.00
	Tamarack.....	430	1,045.04	1,045.04	36.84
	Maple.....	20	36,890.25	36,890.25	2,165.07
	Yellow Birch.....	229	83,244.26	83,244.26	2,992.71
	White Birch.....	54,886	440,380.47	440,380.47	8,133.20
	Oak.....		1,425.44	1,425.44	71.28
	Ash.....	1,099	67,164.55	67,164.55	432.78
	Elm.....		32,909.30	32,909.30	228.67
	Poplar.....	385,571	4,762,669.60	4,762,669.60	52,772.55
	Hardwood.....		294.50	294.50	8.84
Total		7,563,846	43,564,709.82	43,564,709.82	1,439,979.96
Veneer Logs - Cubic Feet					
	White Pine.....	88	785.12	785.12	27.79
	Jack Pine.....	288	1,726.58	1,726.58	46.51
	Spruce.....	47,374	342,692.64	342,692.64	12,254.88
	Yellow Birch.....	5,479	51,880.12	51,880.12	622.58
	White Birch.....	51,319	291,046.28	291,046.28	4,429.81
	Poplar.....	428,942	2,944,653.00	2,944,653.00	40,590.07
Total		533,490	3,632,783.74	3,632,783.74	57,971.64

Long Timber

White Pine.....	1,329	17,743.70	17,743.70	1,738.69
Red Pine.....	25,027	597,211.48	597,211.48	70,553.11
Jack Pine.....	15,495	267,530.14	267,530.14	17,308.66
Spruce.....	27,754	135,315.95	135,315.95	8,732.22
Hemlock.....	2,753	67,700.46	67,700.46	3,629.17
Balsam.....	765	1,676.26	1,676.26	77.96
Cedar.....	603	3,007.17	3,007.17	131.11
Tamarack.....	61	869.24	869.24	34.95
Conifers.....	305	7,737.80	7,737.80	630.13
Maple.....	43	956.55	956.55	61.29
Yellow Birch.....	18	529.43	529.43	23.88
White Birch.....	2,485	4,739.67	4,739.67	249.57
Beech.....	7	163.49	163.49	8.33
Ash.....	1	15.82	15.82	.06
Elm.....	9	233.47	233.47	2.94
Basswood.....	1	74.18	74.18	5.93
Poplar.....	2,667	6,272.56	6,272.56	314.46
Total	79,323	1,111,777.37	1,111,777.37	103,502.46

Sawlogs - MUM

White Pine.....	1,124,471	89,922.32	13,228,591.55	1,079,579.97
Red Pine.....	259,966	15,553.81	2,367,528.40	173,276.35
Jack Pine.....	170,472	4,402.10	746,183.43	23,787.30
White Spruce.....	340	24.40	3,580.17	280.62
Spruce.....	286,277	12,227.64	1,935,114.45	107,046.14
Hemlock.....	186,014	13,253.73	1,960,779.59	58,879.86
Balsam.....	13,612	317.15	55,959.32	3,021.27
Cedar.....	4,983	135.94	23,861.65	1,009.06
Tamarack.....	679	26.99	4,600.22	179.84
Maple.....	447,759	33,021.05	4,931,675.62	287,886.53
Yellow Birch.....	532,503	38,296.30	5,516,333.91	608,998.88
White Birch.....	122,586	5,973.21	917,075.39	41,409.26
Oak.....	27,855	1,566.01	245,948.50	14,647.40
Beech.....	23,257	1,422.22	221,004.08	6,487.64
Ash.....	5,172	275.98	44,018.74	2,558.70
Elm.....	10,609	1,001.38	15,187.86	7,986.21
Basswood.....	40,237	2,299.40	359,069.22	25,956.42
Butternut.....	64	3.13	516.64	30.46
Cherry.....	1,661	94.10	14,180.88	684.98
Poplar.....	150,387	7,637.69	1,207,283.14	27,122.73
Total	3,498,904	227,459.55	33,932,492.76	2,470,729.52
Total Loss, Long Timbers	23,663,670	90,558,329.70	124,263,362.91	5,358,233.76

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Tree Length Material	White Pine.....	66	1,221.79 Cu. Ft.	1,221.79	80.64
	Red Pine.....	280	5,633.92	5,633.92	371.84
	Jack Pine.....	4,268,468	45,022,308.03	45,022,308.03	1,177,144.67
	White Spruce.....	102,193	1,754,527.55	1,747,527.55	60,827.70
	Black Spruce.....	1,930,622	10,328,669.73	10,328,669.73	357,435.65
	Spruce.....	9,686,905	61,702,634.86	61,702,634.86	2,267,286.84
	Balsam.....	655,843	4,321,102.97	4,321,102.97	84,842.03
	Cedar.....	40	1,769.06	1,769.06	35.38
	Tamarack.....	20	201.72	201.72	4.03
	Poplar.....	8,731	232,277.86	232,277.86	1,635.85
	White Pine.....	425	77.96 MBM	15,771.16	622.15
	Red Pine.....	206	22.59	4,348.79	184.89
	Jack Pine.....	719,147	24,099.63	5,247,281.58	92,537.79
	Spruce.....	650,698	18,491.56	3,709,496.95	111,854.57
	Balsam.....	26,720	918.61	172,049.84	5,511.66
	Cedar.....	13	.43	80.97	2.15
	White Birch.....	4	.21	39.92	.32
	Total	18,050,381		132,519,416.70	4,160,378.16
Miscellaneous Mining Timbers Cu. Ft.	Jack Pine.....	74	90.97	7,732.45	272.91
	Spruce.....	17	26.30	2,235.50	89.19
	Conifers.....		87.00	7,395.00	87.00
	White Birch.....	56	196.74	16,722.90	98.38
	Hardwoods.....		132.00	11,220.00	132.00
	Black Pine.....	1,443	4,056.25	4,056.25	139.95
	Black Spruce.....	126	463.92	463.92	19.11
	Spruce.....	11,111	43,114.44	43,114.44	2,070.12
	White Birch.....	250	1,173.51	1,173.51	15.26
	Poplar.....		1,749.48	1,749.48	53.20
	Hardwoods.....	3,000	53.55	53.55	60.00

Poker Poles (cords)

Hardwood..... 756.32 64,338.20 1,135.38

Posts (Lin. Ft.)

Cedar..... 29,287 44,113.20 3,058.37
Tamarack..... 228 360.00 36.00

Christmas Trees

Spruce..... 93,495 46,747.00 4,719.75

Other

White Pine..... 609,048.36 662,797.38 46,584.34
Red Pine..... 128,742.21 131,521.77 10,120.66
Jack Pine..... 672,665.93 2,114,108.33 58,633.87
White Spruce..... 6,426.82 6,426.82 385.61
Black Spruce..... 24,421.45 24,421.45 1,465.29
Spruce..... 601,124.71 834,087.79 28,526.61
Hemlock..... 161,495.33 166,482.53 6,726.94
Balsam..... 128,970.35 140,511.93 3,429.65
Cedar..... 54,417.57 54,417.57 1,448.99
Tamarack..... 11,200.40 11,226.50 476.36
Maple..... 331,290.73 334,354.45 17,864.34
Yellow Birch..... 111,231.79 111,231.79 9,237.59
White Birch..... 440,083.66 450,740.64 10,393.42
Oak..... 72,649.36 83,015.29 4,744.88
Beech..... 33,562.22 33,562.22 1,006.87
Ash..... 12,943.98 13,096.62 659.46
Elm..... 11,416.01 11,416.01 570.80
Basswood..... 32,937.09 33,119.66 2,654.49
Poplar..... 998,464.51 1,031,043.52 25,544.71
Hardwood..... 124,276.73 249,739.97 2,301.39

Total 139,084 6,749,497.64 244,762.89
Grand Total 41,853,135 396,136,465.20 13,809,333.62

Number of District Cutting Licences issued and included in above - 2459

Conversion factors: 1 cubic foot = 5.35 board feet
1 cord = .85 cubic feet

\$940,169.00

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

CHAPLEAU

Class	Species	PCS.	Volume	Cubic Feet Equivalent	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		1.53 Cords	130.05	2.14
	Jack Pine.....		99,954.39	8,496,123.15	199,113.94
	Spruce.....		23,533.54	2,000,350.90	68,106.65
	Balsam.....		123.13	10,466.05	182.26
	White Birch.....		.12	10.20	.06
Total	Poplar.....		3,523.21	299,472.85	1,761.66
			127,135.92	10,806,553.20	269,166.71
Fuelwood	Softwood.....		87.00	7,395.00	87.00
	Hardwood.....		97.00	8,245.00	97.00
Total			184.00	15,640.00	184.00
Total Cordage			127,319.92	10,822,193.20	269,350.71
Logs, Long Timber Sawlogs Cu. Ft.	Jack Pine.....	1,441,718	7,842,238.62 Cu. Ft.	7,842,238.62	206,729.29
	Spruce.....	905,525	5,291,962.38	5,291,962.38	189,893.62
	Balsam.....	38,886	205,374.86	205,374.86	4,106.97
	White Birch.....	499	3,882.45	3,882.45	37.65
	Poplar.....	58,359	507,193.78	507,193.78	4,522.69
Total		2,444,987	13,850,652.09	13,850,652.09	405,290.22
Long Timbers Cu. Ft. Timbers	Red Pine.....	571	16,467.52 Cu. Ft.	16,467.52	1,046.48
	Jack Pine.....	7,619	158,862.93	158,862.93	9,036.95
Total		8,190	175,330.45	175,330.45	10,083.43

CHAPLEAU Cont'd.

Sawlogs, MBM

White Pine.....	61,220	6,980.14	MBM	983,387.46	50,541.31
Red Pine.....	486	31.31		4,547.59	283.98
Yellow Birch.....	271	13.71		1,979.22	137.10
Total	61,977	7,025.16		989,914.27	50,962.39
Total Logs, Long Timber	2,515,154	14,033,007.70		15,015,896.81	466,336.04

Tree Length Material

Jack Pine.....	130,329	1,698,877.57	Cu. Ft.	1,698,877.57	41,886.99
Spruce.....	253,014	1,839,910.11		1,839,910.11	64,705.22
Balsam.....	9,077	63,537.50		63,537.50	1,273.12
Total	392,420	3,602,325.18		3,602,325.18	107,865.33

Miscellaneous

White Pine.....	97,680.18	105,339.30		105,339.30	4,636.26
Red Pine.....	5,148.77	7,834.25		7,834.25	281.16
Jack Pine.....	102,289.44	1,503,680.40		1,503,680.40	35,761.80
Spruce.....	86,027.22	280,581.30		280,581.30	5,000.76
Balsam.....	10,625.15	15,341.75		15,341.75	289.99
Cedar.....	16,540.30	16,540.30		16,540.30	272.91
White Birch.....	42,127.62	43,162.50		43,162.50	511.54
Poplar.....	58,897.45	63,748.45		63,748.45	734.96
Total	---	2,036,228.25		2,036,228.25	47,489.38
Grand Total	2,907,574	---		31,476,643.44	891,041.46

Number of District Cutting Licences issued and included in above - 39

Conversion Factors 1 cubic foot = 5.35 board feet
1 cord = 85 cubic feet

\$1,177.07

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

COCHRANE

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	Jack Pine.....		11,520.89 Cords	979,275.65	26,718.42
	Spruce.....		129,515.71	11,008,835.35	403,565.26
	Balsam.....		11,790.62	1,002,202.70	20,392.29
	Tamarack.....		32.49	2,761.65	48.75
	Poplar.....		3,851.19	327,351.15	2,990.50
Total			156,710.90	13,320,426.50	453,715.22
Pulpwood Peeled	Jack Pine.....		533.39	53,339.00	1,306.80
	Spruce.....		4,356.05	435,605.00	16,499.79
Total			4,889.44	488,944.00	17,806.59
Veneer Bolts	White Birch.....		1.60	136.00	1.60
	Poplar.....		1,330.97	113,132.45	1,330.97
Total			1,332.57	113,268.45	1,332.57
Fuelwood	Hardwood.....		546.03	46,412.55	283.01
			546.03	46,412.55	283.01
Total Cordage			163,478.94	13,969,051.50	473,137.39
Logs, Long Timbers Pulp Logs Cu. Ft.	Jack Pine.....	749,333	4,227,116.84 Cu. Ft.	4,227,116.84	107,398.68
	Spruce.....	2,666,976	10,143,249.23	10,143,249.23	376,314.39
	Balsam.....	152,135	707,899.42	707,899.42	12,104.89
		3,568,444	15,078,265.49	15,078,265.49	495,817.96
Total					

COCHANE Cont'd.

Sawlogs, Cu. Ft.

	7	12.62 Cu. Ft.	12.62	.50
White Pine.....	155,301	786,432.25	786,432.25	28,979.27
Jack Pine.....	394,233	1,790,879.57	1,790,879.57	67,701.72
Spruce.....	3,122	13,330.72	13,330.72	275.43
Balsam.....	1,734	10,953.89	10,953.89	130.41
White Birch.....	43,749	284,826.79	284,826.79	3,218.89
Poplar.....	598,146	2,886,435.84	2,886,435.84	100,306.22
Total				

Veneer Logs, Cu. Ft.

	88	785.12 Cu. Ft.	785.12	27.79
White Pine.....	288	1,726.58	1,726.58	46.51
Jack Pine.....	47,374	342,692.64	342,692.64	12,254.88
Spruce.....	33,064	179,360.64	179,360.64	2,145.16
White Birch.....	87,273	578,062.87	578,062.87	6,733.92
Poplar.....	168,087	1,102,627.85	1,102,627.85	21,408.26
Total				

Long Timber Cu. Ft.

	122	1,038.27 Cu. Ft.	1,038.27	47.58
Jack Pine.....	381	6,035.65	6,035.65	291.26
Spruce.....	5	50.00	50.00	2.50
Cedar.....	508	7,123.92	7,123.92	341.34
Total				

Sawlogs MBM

	25,106	2,377.39 MBM	339,307.28	23,165.34
White Pine.....	637	59.05	8,476.93	531.45
Red Pine.....	57,015	1,371.09	234,508.20	5,484.36
Jack Pine.....	54,793	1,647.15	267,689.57	11,530.05
Spruce.....	193	4.94	838.29	20.27
Balsam.....	1,268	56.49	8,515.29	112.98
White Birch.....	11,496	738.94	110,432.40	1,477.88
Poplar.....	150,508	6,255.05	969,767.96	42,322.33
Total	4,485,693	---	20,044,221.06	660,196.11
Total Logs, Long Timbers				

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

COCHRANE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Tree Length Material	Jack Pine.....	30,390	288,291.24 Cu. Ft.	288,291.24	10,873.35
	Spruce.....	156,024	1,358,874.03	1,358,874.03	54,328.63
	Balsam.....	166	1,763.29	1,763.29	70.53
	Jack Pine.....	102,368	4,500.40 MBM	841,196.01	18,001.60
	Spruce.....	120,945	3,054.81	593,415.82	21,383.67
Total		409,893	---	3,083,540.39	104,657.78
Miscellaneous Mining Timber	Jack Pine.....	74	90.97 Cords	7,732.45	272.91
	Spruce.....	12	13.61	1,156.85	44.77
Posts Lin. Ft.	Cedar.....	1,682	13,049.00 Lin. Ft.	2,609.80	130.49
Other	Jack Pine.....		6,639.35	6,639.35	163.99
	Jack Pine.....		9.10	773.50	19.11
	Spruce.....	64	36,406.62	36,406.62	1,229.76
	Spruce.....		.37	31.45	1.26
	Balsam.....		103.70	103.70	1.71
	Balsam.....		1.46	124.10	3.29
	Cedar.....		386.75	386.75	6.38
	White Birch.....		717.40	714.40	4.30
	Poplar.....		2,967.35	2,967.35	17.80
	Poplar.....		9.84	836.40	7.38
Total		1,832	---	60,485.72	1,903.15
Grand Total		4,897,418	---	37,157,298.67	1,239,894.43

Number of District Cutting Licences issued and included in above - 421

\$79,187.83

FORT FRANCES

Cordage					
Pulpwood Rough					
Jack Pine.....	30,715.61	Cords	2,610,826.85		73,497.74
Spruce.....	27,152.80		2,307,988.00		93,587.96
Balsam.....	1,597.83		135,815.55		2,755.72
Poplar.....	22,023.62		1,872,007.70		18,181.15
Total	81,489.86		6,926,638.10		188,022.57
Fuelwood					
Softwood.....	70.35		5,979.75		54.00
Hardwood.....	60.50		5,142.50		64.00
Total	130.85		11,122.25		118.00
Total Cordage	81,620.71		6,937,760.35		188,140.57
Logs, Long Timbers Pulp Logs Cu. Ft.					
Red Pine.....	1,393	6,786.64	Cu. Ft.	6,786.64	232.10
Total	1,393	6,786.64		6,786.64	232.10
Sawlogs, Cu. Ft.					
White Pine.....	1,499	29,969.46		29,969.46	2,501.00
Red Pine.....	1,784	22,576.92		22,576.92	1,968.26
Jack Pine.....	2,045	13,125.88		13,125.88	457.97
Spruce.....	676	4,737.03		4,737.03	281.35
Balsam.....	32	178.84		178.84	6.30
Cedar.....	407	2,270.52		2,270.52	116.57
Ash.....	26	425.00		425.00	8.50
Poplar.....	1,183	6,094.37		6,094.37	91.41
Total	7,652	79,378.02		79,378.02	5,431.36
Long Timber Cu. Ft.					
Red Pine.....	449	20,733.22	Cu. Ft.	20,733.22	1,648.63
Total	449	20,733.22		20,733.22	1,648.63

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

FORT FRANCES Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, MBM					
	White Pine.....	204	13.91 MBM	2,026.16	128.34
	Red Pine.....	136	6.77	1,011.13	60.93
	Spruce.....	71	2.68	421.01	20.75
	Cedar.....	83	2.02	371.33	13.15
Total		494	25.38	3,829.63	223.17
Total Logs, Long Timber		9,988	106,923.26	110,727.51	7,535.26
Tree Length Material					
	White Pine.....	66	1,221.79 Cu. Ft.	1,221.79	80.64
	Red Pine.....	280	5,633.92	5,633.92	371.84
	Jack Pine.....	56,273	871,814.29	871,814.29	21,592.97
	Spruce.....	142,144	847,228.28	847,228.28	30,415.49
	Balsam.....	535	4,045.34	4,045.34	71.60
	Poplar.....	7,982	220,173.87	220,173.87	1,563.23
	White Pine.....	425	77.96 MBM	15,771.16	622.15
	Red Pine.....	194	21.19	4,086.86	170.89
	Jack Pine.....	522,795	16,947.01	4,073,165.29	67,788.04
	Spruce.....	249,259	5,669.33	1,405,411.18	31,182.67
	Balsam.....	145	5.69	1,410.50	34.14
	Cedar.....	13	.43	80.97	2.15
	White Birch.....	4	.21	39.92	.32
Total		980,115	---	7,450,083.37	153,896.13

PORT FRANCES Cont'd.

Miscellaneous
Posts Lin. Ft.

Cedar..... 2,184 15,800.00 Lin. Ft. 3,160.00 158.00

Christmas Trees

Spruce..... 92,595 92,595.00 46,297.00 4,629.75

Other

Jack Pine..... 269,019.00 269,019.00 6,746.44
Spruce..... 84,232.00 84,232.00 3,111.97
Balsam..... 3,629.00 3,629.00 100.52
Cedar..... 1,814.00 1,814.00 29.93
Hardwood..... 122,615.00 122,615.00 882.82

Total 94,779 --- 530,766.00 15,659.43
Grand Total 1,084,882 --- 15,029,337.23 365,231.39

Number of District Cutting Licences issued and included in above - 135

\$45,290.84

GERALDTON

Cordage
Pulpwood Rough

Jack Pine..... 34,120.42 Cords 2,900,235.70 71,659.12
Spruce..... 185,141.92 15,737,063.20 592,453.79
Balsam..... 13,525.48 1,149,665.80 25,368.28
Cedar..... 5.00 425.00 10.00
White Birch..... 32.79 2,787.15 19.68
Poplar..... 43,713.18 3,715,620.30 21,964.66

Total 276,158.79 23,505,797.15 711,475.53

Veneer Bolts

Jack Pine..... 57.69 4,903.65 121.17
Spruce..... 308.72 26,241.20 975.17
Balsam..... 7.28 618.80 13.71
White Birch..... 717.37 60,976.45 538.09
Poplar..... 8,296.32 705,187.20 6,222.33

Total 9,387.38 797,927.30 7,870.47

GERALDTON Cont'd.

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69				
Class	Species	PCS.	Volume	Stumpage \$
Fuelwood				
	Softwood.....		250.00	21,250.00
Total			250.00	21,250.00
Total Cordage			286,176.17	24,324,974.45
Logs, Long Timbers Pulp Logs, Cu. Ft.				
	Jack Pine.....	42,685	181,954.43 Cu. Ft.	181,954.43
	Spruce.....	489,664	1,465,459.96	1,465,459.96
	Balsam.....	7,902	23,598.70	23,598.70
	White Birch.....		3,485.00	3,485.00
	Poplar.....	372	5,027.67	5,027.67
Total		540,623	1,679,525.76	1,679,525.76
Sawlogs Cu. Ft.				
	Jack Pine.....	4,036	29,295.22 Cu. Ft.	29,295.22
	Spruce.....	7,341	67,427.43	67,427.43
	Balsam.....	28	136.02	136.02
	Cedar.....	58	165.58	165.58
Total		11,463	97,024.25	97,024.25
Veneer Logs, Cu. Ft.				
	White Birch.....	358	2,205.39 Cu. Ft.	2,205.39
	Poplar.....	171,419	1,096,405.63	1,096,405.63
Total		171,777	1,098,611.02	1,098,611.02
Long Timber Cu. Ft.				
	Jack Pine.....	3	65.46 Cu. Ft.	65.46
	Spruce.....	25	376.72	376.72
	Cedar.....	6	53.92	53.92
Total		34	496.10	496.10
Total, Logs, Long Timber		723,897	2,875,657.13	2,875,657.13
				70,830.50

GERALDTON Cont'd.

Tree Length Material

Jack Pine.....	1,079,730	11,133,741.26	Cu. Ft.	11,133,741.26	272,258.99
White Spruce.....	102,193	1,754,527.55		1,754,527.55	60,827.70
Black Spruce.....	1,930,622	10,328,669.73		10,328,669.73	357,435.65
Spruce.....	1,302,163	7,923,029.77		7,923,029.77	284,436.77
Balsam.....	266,880	1,801,761.61		1,801,761.61	34,079.10
Total	4,681,588	32,941,729.92		32,941,729.92	1,009,038.21
Miscellaneous Posts Lin. Ft.					
Cedar.....	15	120.00	Lin. Ft.	24.00	5.00
Christmas Trees					
Spruce.....	900	450.00	Cu. Ft.	450.00	90.00
Others					
White Pine.....		4.00		340.00	6.00
Jack Pine.....		526.52		44,748.20	1,105.69
Spruce.....		140.03		11,902.55	446.69
Balsam.....		.50		42.50	.73
White Birch.....		7.00		595.00	4.20
Poplar.....		20.00		1,700.00	12.00
Total	915	---		59,802.25	1,670.31
Grand Total	5,406,400	---		60,202,163.75	1,801,010.02
Number of District Cutting Licences issued and included in above - 46					
					\$1,848.42

LAPUSKASING

Cordage
Pulpmood Rough

Jack Pine.....	6,120.17	Cords	520,214.45	12,858.99
Spruce.....	195,095.19		16,583,091.15	657,517.96
Balsam.....	6,307.13		536,106.05	10,082.74
White Birch.....	.04		3.40	.02
Poplar.....	637.34		54,173.90	700.40
Total	208,159.87		17,693,588.95	681,160.11

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

KAPUSKASING Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Pulpwood Peeled	Jack Pine.....		552.30	55,230.00	1,353.12
	Spruce.....		1,791.15	179,115.00	6,089.90
	Balsam.....		99.13	9,913.00	168.54
	Poplar.....		4,341.96	434,196.00	3,039.43
	Total		6,784.54	678,454.00	10,650.99
Fuelwood	Softwood.....		306.00	26,010.00	153.00
	Total		306.00	26,010.00	153.00
	Total Cordage		215,250.41	18,398,052.95	691,964.10
Logs, Long Timbers Pulp Logs, Cu. Ft.	Spruce.....	1,338,294	4,715,406.73	4,715,406.73	183,429.43
	Balsam.....	129,887	465,090.26	465,090.26	9,859.92
	Total	1,468,181	5,180,496.99	5,180,496.99	193,289.35
Sawlogs, Cu. Ft.	Jack Pine.....	228,288	1,082,116.29	1,082,116.29	30,895.55
	Spruce.....	1,572,571	6,650,400.28	6,650,400.28	283,671.48
	Balsam.....	56,631	272,112.37	272,112.37	8,844.06
	Cedar.....	122	1,375.25	1,375.25	46.80
	Tamarack.....	120	547.14	547.14	21.90
	White Birch.....	110	10,380.38	10,380.38	183.64
	Poplar.....	7,756	556,145.06	556,145.06	9,630.13
Total		1,865,598	8,573,076.77	8,573,076.77	333,293.56
Veneer Logs, Cu. Ft.	White Birch.....	13,813	77,016.03	77,016.03	1,702.60
	Poplar.....	170,250	1,270,184.50	1,270,184.50	23,902.47
	Total	184,063	1,347,200.53	1,347,200.53	25,605.07

KAPUSKASING Cont'd.

Long Timbers, Cu. Ft.

Spruce.....	100	3,693.71	3,693.71	195.08
Total	100	3,693.71	3,693.71	195.08
Total Logs, Long Timbers	3,517,942	15,104,468.00	15,104,468.00	552,383.06

Tree Length Material

Jack Pine.....	65,863	841,372.73	841,372.73	35,333.40
Spruce.....	2,511,652	15,290,841.47	15,290,841.47	606,622.73
Balsam.....	142,646	718,932.33	718,932.33	16,576.02
Total	2,720,161	16,851,146.53	16,851,146.53	658,532.15

Miscellaneous

Posts	222	1,780.00	1,780.00	17.80
Cedar.....	222	1,780.00	1,780.00	17.80
Total	222	---	---	---
Grand Total	6,238,325	50,354,023.48	50,354,023.48	1,902,897.11

Number of District Cutting Licences issued and included in above - 175

\$97,088.71

KEMPTVILLE

Cordage
Pulpwood Rough

Jack Pine.....	20.56	1,747.60	1,747.60	267.28
Total	20.56	1,747.60	1,747.60	267.28

Fuelwood

White Birch.....	16.57	1,408.45	1,408.45	74.14
Hardwood.....	37.00	3,145.00	3,145.00	181.00
Total	53.57	4,553.45	4,553.45	255.14
Total Cordage	74.13	6,301.05	6,301.05	522.42

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

KEMPTVILLE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Logs, Long Timbers Sawlogs, MBM	White Pine.....	2,549	160.49 MBM	23,590.72	1,620.63
	Spruce.....	21	1.99	283.02	15.92
	Cedar.....	15	.60	95.79	2.63
	Maple.....	810	57.09	10,630.52	734.91
	Yellow Birch.....	25	1.04	188.30	15.11
	White Birch.....	206	7.63	1,333.55	39.42
	Oak.....	384	18.39	3,204.57	227.53
	Beech.....	204	10.43	1,948.60	62.55
	Ash.....	54	2.07	387.85	20.75
	Elm.....	46	3.70	603.56	29.11
	Basswood.....	734	29.71	5,484.59	431.72
	Butternut.....	23	1.12	198.09	10.30
	Poplar.....	338	18.50	2,953.43	59.66
	Total	5,409	312.76	50,922.59	3,270.24
	Total Logs, Long Timbers	5,409	312.76	50,922.59	3,270.24
Miscellaneous Posts, Lin. Ft.	Cedar.....	1,261	10,088.00 Lin. Ft.	2,017.60	100.88
	Total	1,261	10,088.00	2,017.60	100.88
	Grand Total	6,670	---	59,241.24	3,893.54
Number of District Cutting Licences issued and included in above - 5					\$2,192.33

KENORA

Cordage

Pulpwood Rough

	15.78	Cords	
Red Pine.....	1,341.30		120.72
Jack Pine.....	4,943.126.55		143,531.89
Spruce.....	4,815.309.50		213,426.77
Balsam.....	1,196.92		2,508.31
White Birch.....	101,738.20		485.02
Poplar.....	68,712.30		5,533.91
Total	462,734.90		365,606.62
	122,270.14		

Pulpwood Peeled

Poplar.....	821.41	82,141.00	862.48
Total	821.41		862.48

Fuelwood

Jack Pine.....	20.48	1,740.80	20.48
Softwood.....	19.36	1,645.60	19.36
White Birch.....	10.08	856.80	10.08
Hardwood.....	220.13	18,711.05	220.13
Total	270.05	22,954.25	270.05
Total Cordage	123,361.60	10,498,058.00	366,739.15

Logs, Long Timbers
Pulp logs Cu. Ft.

Jack Pine.....	1,335,540	5,062,020.20	125,031.95
Spruce.....	1,169,900	3,765,758.20	128,788.95
Balsam.....	4,180	14,510.20	375.93
Total	2,509,620	8,842,288.60	254,196.83

Sawlogs, Cu. Ft.

White Pine.....	15,791	111,094.48	9,863.68
Red Pine.....	19,197	109,334.65	9,130.36
Jack Pine.....	43,241	231,527.68	7,267.26
Spruce.....	7,508	49,012.54	2,742.11
Balsam.....	27	167.47	4.72
Cedar.....	65	674.77	22.21
Poplar.....	12,740	79,044.24	646.47
Total	98,569	580,855.83	29,676.81

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

KENORA Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Long Timber Cu. Ft.					
	White Pine.....	24	613.50 Cu. Ft.	613.50	52.41
	Red Pine.....	1,398	33,278.85	33,278.85	2,846.79
	Jack Pine.....	1,754	21,611.41	21,611.41	1,596.34
	Spruce.....	954	31,561.75	31,561.75	2,457.47
	Cedar.....	16	254.34	254.34	18.83
	Poplar.....	139	801.64	801.64	32.73
Total		4,285	88,121.49	88,121.49	6,804.57
Total Logs, Long Timbers		2,612,474	9,511,265.92	9,511,265.92	290,678.21
Tree Length Material					
	Jack Pine.....	250,404	2,772,600.12 Cu. Ft.	2,772,600.12	71,866.97
	Spruce.....	805,421	6,658,472.73	6,658,472.73	223,421.11
	Balsam.....	624	10,412.93	10,412.93	172.93
Total		1,056,449	9,441,485.78	9,441,485.78	295,461.01
Miscellaneous Posts Lim. Ft.					
	Cedar.....	7,158	51,780.00 Lin. Ft.	10,356.00	813.03
Total		7,158	51,780.00	10,356.00	813.03
Grand Total		3,676,081	---	29,461,165.70	953,691.40
Number of District Cutting Licences issued and included in above - 239					
\$103,636.25					
LAKE SIMCOE					
	Hardwood.....		30.00	2,550.00	42.50
Total			30.00	2,550.00	42.50
Total Cordage			30.00	2,550.00	42.50

LAKE SIMCOE Cont'd.

Logs, Long Timbers
Sawlogs

White Pine.....	2	30.00 Cu. Ft.	30.00	5.00
Total	2	30.00	30.00	5.00
Sawlogs MBM				
White Pine.....	132	11.02 MBM		
Red Pine.....	3	.50	2,058.88	229.50
Hemlock.....	3	.05	93.46	13.00
Maple.....	5	.03	10.09	1.40
White Birch.....	4	.07	13.27	.50
Oak.....	2	.05	4.68	2.27
Elm.....	1	.02	9.91	1.06
Poplar.....	27	.65	3.55	.42
Total	177	12.39	121.68	10.52
Total Logs, Long Timbers	179	42.39	2,315.52	258.67
			2,345.52	263.67

Miscellaneous

White Pine.....	246.10	46,000.00	4,306.75
Red Pine.....	.52	94.60	9.10
Hemlock.....	26.82	5,014.02	268.20
Balsam.....	1.42	266.00	17.04
Tamarack.....	3.90	730.00	46.80
Maple.....	16.48	3,080.20	329.60
White Birch.....	25.74	4,810.28	386.10
Oak.....	55.76	10,421.69	1,115.20
Ash.....	.82	153.46	12.30
Basswood.....	.98	183.55	19.60
Poplar.....	98.99	18,503.00	791.92
Total	477.53	89,256.80	7,302.61
Grand Total	---	94,152.32	7,608.78
Number of District Cutting Licences issued and included in above - 8			
			\$306.17

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

LINDSAY

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	Spruce.....		6.86 Cords	583.10	20.58
	Balsam.....		29.81	2,533.85	59.62
	Total		36.67	3,116.95	80.20
Pulpwood Peeled	Poplar.....		110.42	9,385.70	110.42
Total			110.42	9,385.70	110.42
Fuelwood	Hardwood.....		194.50	16,532.50	145.88
Total			194.50	16,532.50	145.88
Total Cordage			341.59	29,035.15	336.50
Logs, Long Timbers Long Timber Cu. Ft.	White Pine.....	2	59.46 Cu Ft.	59.46	5.07
	Spruce.....	20	166.48	166.48	9.25
	Hemlock.....	25	704.67	704.67	57.84
	Balsam.....	70	424.77	424.77	17.72
	Cedar.....	6	98.57	98.57	5.28
	Tamarack.....	1	18.44	18.44	.92
Total		124	1,472.39	1,472.39	96.08

LINDSAY Cont'd.

Sawlogs, MBM

White Pine.....	6,338	481.37 MBM	79,065.75	6,417.60
Red Pine.....	536	25.93	4,834.12	388.89
Spruce.....	5,779	290.89	45,085.31	2,726.56
Hemlock.....	23,569	1,455.13	218,919.51	6,664.60
Balsam.....	3,587	95.88	16,215.61	800.33
Cedar.....	369	9.18	1,530.74	49.07
Tamarack.....	130	6.48	972.31	25.92
Maple.....	28,268	1,949.23	301,323.03	17,831.14
Yellow Birch.....	10,992	665.86	98,093.19	8,584.25
White Birch.....	665	28.76	4,614.09	130.89
Oak.....	2,703	150.65	27,313.34	1,083.01
Beech.....	8,231	506.90	74,716.04	1,821.51
Ash.....	1,013	47.66	7,422.62	352.12
Elm.....	499	40.17	6,479.81	332.83
Basswood.....	3,807	209.98	32,171.04	2,054.47
Cherry.....	323	16.29	2,417.70	98.87
Poplar.....	1,813	77.00	13,803.54	408.90
Total	98,622	6,057.36	929,977.75	49,770.96
Total Logs, Long Timbers	98,746	7,529.75	931,450.14	49,867.04
Miscellaneous Post Lin. Ft.				
Cedar.....	27	216.00 Lin. Ft.	43.20	3.24
Hardwood.....				
Total	27	272.00	23,120.00	190.75
Grand Total	98,773	---	23,163.20	193.99
Number of District Cutting Licences Issued and Included in Above - 40		---	983,648.49	50,397.53
				\$13,623.23

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

NORTH BAY

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		11,916.43 Cords	1,012,896.55	18,440.27
	Red Pine.....		94.62	8,042.70	150.20
	Jack Pine.....		380.26	32,322.10	894.68
	Spruce.....		3,402.00	289,170.00	10,725.36
			1.34	113.90	2.06
	Hemlock.....		1,654.11	140,599.35	2,895.51
	Balsam.....		282.78	24,036.30	565.56
	Maple.....		18.07	1,535.95	36.14
	Yellow Birch.....		648.07	55,085.95	873.67
	White Birch.....		12,556.37	1,067,291.45	11,397.07
	Poplar.....		18,903.54	1,606,800.90	16,348.96
	Hardwood.....		49,857.59	4,237,895.15	62,329.48
Total					
Pulpwood Peeled	Poplar.....		709.56	70,956.00	603.13
	Total		709.56	70,956.00	603.13
Fuelwood	Hardwood.....		415.61	35,326.85	415.61
	Total		415.61	35,326.85	415.61
	Total Cordage		50,982.76	4,344,178.00	63,348.22

NORTH BAY Cont'd.

Logs, Long Timbers
Sawlogs Cu. Ft.

		115,372.05	Cu. Ft.	
White Pine.....	642	115,372.05		3,898.23
Red Pine.....	409	73,969.40		2,533.24
Jack Pine.....	34,556	117,042.63		4,962.38
Spruce.....	45,274	440,735.19		16,640.56
Balsam.....	11	167,504.33		2,765.52
Cedar.....		68,706.90		1,133.66
Maple.....		1,227.31		7.36
Yellow Birch.....		60,331.32		361.99
White Birch.....	5,640	139,877.56		886.60
Ash.....		59,700.00		358.20
Elm.....		32,200.00		193.20
Poplar.....	20,796	1,611,893.24		10,328.34
Total	107,328	2,888,559.93		44,069.28

Long Timber, Cu. Ft.

		5,354.71	Cu. Ft.	
White Pine.....	452	5,354.71		481.64
Red Pine.....	333	5,305.02		442.50
Jack Pine.....	1,227	4,146.51		347.84
Spruce.....	25,258	70,237.38		4,009.75
Hemlock.....	45	1,062.28		86.31
Balsam.....	654	973.98		49.92
Cedar.....	412	1,317.90		56.93
Conifers.....	305	7,737.80		630.13
White Birch.....	2,479	4,591.94		242.17
Poplar.....	2,478	4,591.95		242.17
Total	33,643	105,319.47		6,589.36

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

NORTH BAY Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, MBM	White Pine.....	341,683	32,220.33 MBM	4,681,629.63	362,112.92
	Red Pine.....	107,055	8,169.26	1,708,020.77	82,386.80
	Jack Pine.....	4,243	112.89	19,189.68	1,153.39
	Spruce.....	41,377	2,320.91	361,235.99	21,472.12
	Hemlock.....	1,134	82.99	12,118.56	346.34
	Balsam.....	144	3.32	581.78	26.07
	Cedar.....	340	9.08	1,652.47	64.66
	Maple.....	47,085	3,194.30	468,357.49	21,964.63
	Yellow Birch.....	93,519	5,305.55	796,261.42	84,881.84
	White Birch.....	27,722	1,292.68	208,892.67	12,502.92
	Oak.....	1,252	80.90	11,900.24	591.07
	Beech.....	61	2.84	531.03	14.21
	Ash.....	282	15.09	2,336.73	123.77
	Elm.....	1,209	145.20	20,149.84	885.61
	Basswood.....	885	43.70	6,689.62	429.15
	Cherry.....	558	33.73	5,022.06	208.00
	Poplar.....	2,898	132.50	21,714.61	736.84
	Total	671,447	53,165.27	7,826,284.59	589,900.34
	Total Logs, Long Timber	812,418	3,047,044.67	10,820,163.99	640,558.98
Tree Length Material	Jack Pine.....	111,365	1,252,428.19 Cu. Ft.	1,252,428.19	36,490.07
	Spruce.....	40,853	294,653.94	294,653.94	10,609.26
	Balsam.....	822	4,065.02	4,065.02	71.95
Total		153,040	1,551,147.15	1,551,147.15	47,171.28
Miscellaneous Posts. Lin. Ft.	Cedar.....	5,155	36,085.00 Lin. Ft.	7,217.00	721.70
	Total	5,155	36,085.00	7,217.00	721.70
	Grand Total	970,613	---	16,772,706.14	751,800.18
Number of District Cutting Licences issued and included in above - 195					\$84,239.17

PARRY SOUND

Cordage
Pulpwood Rough

White Pine.....	149.69	Cords	12,723.65	478.71
Jack Pine.....	226.91		19,287.35	624.02
Spruce.....	108.89		9,255.65	380.95
Balsam.....	330.69		28,108.65	826.72
Tamarack.....	6.72		571.20	10.08
Maple.....	73.30		6,230.50	146.60
White Birch.....	379.86		32,262.60	404.96
Elm.....	21.00		1,785.00	21.00
Poplar.....	1,280.66		108,856.10	1,345.11
Hardwood.....	5.66		481.10	7.36
Total	2,883.08		219,561.80	4,245.51

Fuelwood

Hardwood.....	623.00		52,955.00	623.00
Total	623.00		52,955.00	623.00
Total Cordage	3,206.08		272,516.80	4,868.51

Logs, Long Timbers
Sawlogs, Cu. Ft.

White Pine.....	3,806		30,952.58	2,723.81
Red Pine.....	1,522	Cu. Ft.	8,361.09	668.89
Jack Pine.....	2,457		7,857.13	353.58
Spruce.....	24		155.07	10.85
Total	7,809		47,325.87	3,757.13

Long Timber. Cu. Ft.

White Pine.....	589		5,970.19	477.62
Red Pine.....	143		776.65	62.13
Jack Pine.....	68		303.52	18.21
Spruce.....	9		262.59	15.76
Hemlock.....	283		5,558.77	317.29
Balsam.....	35		200.34	8.01
Cedar.....	88		192.75	7.71
Tamarack.....	60		850.80	34.03
Total	1,275		14,115.61	940.76

PAPPEY SOUND Cont'd.

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, MBM	White Pine.....	39,314	3,028.57 MBM	448,247.41	44,999.16
	Red Pine.....	1,446	86.21	13,138.13	1,090.07
	Jack Pine.....	72	1.51	266.61	17.58
	Spruce.....	15,899	945.50	143,031.35	8,832.15
	Hemlock.....	5,605	500.76	80,974.05	2,721.50
	Balsam.....	1,109	18.84	3,387.56	108.90
	Cedar.....	81	5.53	1,031.85	31.90
	Tamarack.....	264	11.12	1,991.51	82.90
	Maple.....	89,664	7,531.98	1,133,371.18	87,440.42
	Yellow Birch.....	63,359	5,500.88	790,276.99	108,571.39
	White Birch.....	2,457	133.88	20,546.98	951.72
	Oak.....	1,300	109.15	17,686.64	1,127.90
	Beech.....	4,246	329.54	50,167.11	1,562.09
	Ash.....	904	70.33	10,946.80	720.75
	Elm.....	4,380	441.45	67,364.10	3,683.73
	Basswood.....	4,725	334.76	53,184.92	4,446.70
	Cherry.....	665	38.69	5,875.94	329.82
	Poplar.....	1,005	68.86	10,263.04	282.76
	Total	236,495	19,157.56	2,851,752.17	267,001.44
	Total Logs, Long Timbers	245,579	80,599.04	2,913,193.65	271,699.33
Miscellaneous Posts. Lin. Ft.	Cedar.....	929	7,432.00 Lin. Ft.	1,486.40	148.64
	Hardwood.....		756.92 Cords	64,338.20	1,135.38
Poker Poles					

Other

White Pine.....	345,051.38	345,051.38	27,604.11
Red Pine.....	111,497.88	111,497.88	8,919.83
Jack Pine.....	159,186.29	159,186.29	9,551.18
Spruce.....	43,644.35	43,644.35	2,618.66
Hemlock.....	160,841.51	160,841.51	6,433.66
Balsam.....	31,169.71	31,169.71	1,246.79
Cedar.....	22,304.22	22,304.22	892.17
Tamarack.....	5,515.28	5,515.28	220.61
Maple.....	249,054.75	249,054.75	14,943.29
Yellow Birch.....	76,653.77	76,653.77	7,665.38
White Birch.....	100,512.04	100,512.04	5,025.60
Oak.....	72,434.60	72,434.60	3,621.73
Beech.....	33,562.22	33,562.22	1,006.87
Ash.....	12,943.16	12,943.16	647.16
Elm.....	11,416.01	11,416.01	570.80
Basswood.....	32,936.11	32,936.11	2,634.89
Poplar.....	728,934.02	728,934.02	21,868.02
Hardwood.....	1,221.00	103,836.85	1,221.61
Total	929	2,367,318.75	117,976.38
Grand Total	246,508	5,553,029.20	394,544.22
Number of District Cutting Licences issued and included in above - 131			\$30,816.04

FENBROKE

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		1,485.69 Cords	126,283.65	2,097.81
	Red Pine.....		33.54	2,850.90	52.67
	Jack Pine.....		772.00	65,620.00	1,568.62
	Spruce.....		409.19	34,781.15	1,264.08
	Hemlock.....		18.29	1,554.65	27.31
	Balsam.....		116.13	9,871.05	236.94
	Conifers.....		13.93	1,184.05	19.50
	Maple.....		5,593.07	475,410.95	4,194.99
	White Birch.....		776.96	66,041.60	585.15
	Poplar.....		3,711.11	315,444.35	3,533.96
	Hardwood.....		12,581.84	1,069,456.40	7,365.39
	Total		25,511.75	2,168,498.75	20,946.42
Pulpwood Peeled	Spruce.....		321.39	32,139.00	1,124.88
	Balsam.....		.56	56.00	.98
	Poplar.....		147.11	14,711.00	88.27
	Total		469.06	46,906.00	1,214.13
Fuelwood	Hardwood.....		180.00	15,300.00	90.00
Total			180.00	15,300.00	90.00
Total Cordage			26,160.81	2,230,704.75	22,250.55

FENBROE Cont'd.

Logs, Long Timbers
Pulp Logs, Cu. Ft.

White Pine.....	398,392	718,215.29	Cu. Ft.	718,215.29	11,850.56
Jack Pine.....	52,060	98,238.80		98,238.80	2,308.65
Spruce.....	65,818	122,663.23		122,663.23	5,094.61
Hemlock.....	308	1,258.86		1,258.86	20.77
Balsam.....	8,246	11,811.03		11,811.03	207.48
Conifers.....	36,300	81,698.60		81,698.60	1,348.01
Maple.....	5,262	37,136.41		37,136.41	222.82
Poplar.....	26,460	81,524.40		81,524.40	978.31
Hardwood.....	473,940	1,322,314.80		1,322,314.80	11,089.94
Total	1,064,786	2,474,861.42		2,474,861.42	33,091.15

Sawlogs, Cu. Ft.

White Pine.....	536	7,118.00	Cu. Ft.	7,118.00	433.49
Red Pine.....	546	6,091.00		6,091.00	302.72
Jack Pine.....	746	5,909.00		5,909.00	171.36
Spruce.....	303	3,242.00		3,242.00	142.97
Balsam.....	107	780.00		780.00	17.24
Cedar.....	6	362.00		362.00	8.00
White Birch.....	4	230.00		230.00	6.53
Ash.....	10	587.00		587.00	10.10
Poplar.....	806	6,976.00		6,976.00	119.99
Total	3,064	31,295.00		31,295.00	1,212.40

Long Timbers, Cu. Ft.

White Pine.....	113	3,311.22	Cu. Ft.	3,311.22	561.19
Red Pine.....	21,590	508,931.69		508,931.69	63,640.25
Jack Pine.....	1,250	22,252.31		22,252.31	2,726.10
Spruce.....	67	2,005.36		2,005.36	274.84
Hemlock.....	2,187	56,847.93		56,847.93	2,999.20
Total	25,207	593,348.51		593,348.51	70,201.58

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

PEMERONE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, MBM	White Pine.....	454,685	27,869.84 MBM	4,178,038.96	392,454.63
	Red Pine.....	119,105	5,659.75	881,335.94	70,078.06
	Jack Pine.....	10,916	373.26	61,995.11	4,038.14
	Spruce.....	53,724	3,145.77	473,195.71	28,899.66
	Hemlock.....	131,679	9,697.85	1,414,038.53	40,126.10
	Balsam.....	1,540	39.57	6,860.37	306.69
	Cedar.....	289	11.96	1,871.32	43.09
	Tamarack.....	12	.93	136.24	3.61
	Maple.....	128,375	10,327.81	1,486,164.77	64,819.11
	Yellow Birch.....	90,267	7,410.00	1,053,337.85	94,110.86
	White Birch.....	41,227	2,048.81	309,363.25	7,537.17
	Oak.....	9,712	519.38	78,828.01	4,293.43
	Beech.....	2,655	188.59	27,541.57	652.99
	Ash.....	630	50.03	7,224.71	370.68
	Elm.....	901	108.22	15,135.94	681.65
	Basswood.....	13,224	841.28	124,312.77	7,498.54
	Cherry.....	36	2.73	440.63	17.70
	Poplar.....	91,906	4,807.16	740,254.50	12,903.56
	Total	1,150,883	73,102.94	10,860,038.18	728,835.67
	Total Logs, Long Timbers	2,243,940	3,172,607.87	13,959,543.11	833,340.80
	Grand Total	2,243,940	--	16,190,247.86	855,591.35

Number of District Cutting Licences issued and included in above - 74

\$35,916.45

PORT ARTHUR

Cordage
Pulpwood Rough

White Pine.....	139.99	Cords	11,899.15	351.26
Red Pine.....	5.06		430.10	12.12
Jack Pine.....	34,165.89		2,904,100.65	77,422.95
Spruce	47,940.24		4,074,920.40	155,071.15
Balsam.....	2,692.21		228,837.85	5,746.98
Cedar.....	222.06		18,875.10	471.84
Tamarack.....	213.60		18,156.00	372.49
White Birch.....	2,009.16		170,778.60	1,951.55
Poplar.....	11,180.04		950,303.40	11,780.46
Total	98,568.25		8,378,301.25	253,180.80
Pulpwood Peeled				
Balsam .....	.15		15.00	.35
White Birch.....	.60		60.00	.54
Poplar.....	2,110.32		211,032.00	2,378.73
Total	2,111.07		211,107.00	2,379.62
Veneer Bolts				
White Birch.....	3,312.83		281,590.55	5,221.23
Poplar.....	5,061.15		430,197.75	4,238.26
Total	8,383.98		711,788.30	9,459.49
Fuelwood				
Softwood	257.00		21,845.00	272.00
Total	257.00		21,845.00	272.00
Total Cordage	109,310.30		9,323,041.55	265,291.91

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

PORT ARTHUR cont'd.									
Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$				
Logs, Long Timbers Sawlogs, Cu. Ft.	White Pine.....	2,519	30,570.24 Cu. Ft.	30,570.24	1,746.02				
	Red Pine.....	132	1,299.83	1,299.83	78.90				
	Jack Pine.....	272,737	1,538,134.08	1,538,134.08	40,537.54				
	Spruce.....	115,521	828,705.06	828,705.06	32,890.46				
	Balsam.....	509	2,973.69	2,973.69	63.74				
	Tamarack.....	310	497.90	497.90	14.94				
	White Birch.....	35	199.64	199.64	2.99				
	Ash.....	46	279.40	279.40	9.78				
	Poplar.....	769	4,101.26	4,101.26	52.55				
	Total	390,578	2,406,761.10	2,406,761.10	75,396.92				
Veneer Logs, Cu. Ft.	White Birch	3,375	27,104.88 Cu. Ft.	27,104.88	498.12				
	Total	3,375	27,104.88	27,104.88	498.12				
Long Timber Cu. Ft.	Red Pine.....	32	860.47 Cu. Ft.	860.47	62.09				
	Jack Pine.....	778	12,401.72	12,401.71	635.96				
Total		810	13,262.18	13,262.18	698.05				
Sawlogs, MBM	White Pine.....	2,701	135.15 MBM	20,589.35	1,352.06				
	Red Pine.....	25	1.63	242.32	16.30				
	Jack Pine.....	65	3.10	477.97	23.27				
	Spruce.....	140	8.82	1,315.74	70.56				
	Balsam.....	10	.36	59.00	2.52				
	White Birch.....	4	.21	31.43	.32				
	Poplar.....	1,479	73.52	11,265.35	110.33				
	Total	4,424	222.79	33,981.16	1,575.36				
	Total Logs, Long Timbers	399,187	2,447,350.95	2,481,109.32	78,168.45				

PORT ARTHUR Cont'd.

Tree Length Material

Jack Pine	894,286	9,917,663.44	Cu. Ft.	9,917,663.44	247,332.69
Spruce.....	2,813,553	18,643,973.28		18,643,973.28	684,266.07
Balsam.....	201,131	1,454,852.13		1,454,852.13	27,919.66
Tamarack.....	20	201.72		201.72	4.03
Poplar.....	749	12,103.99		12,103.99	72.62
Total	3,090,739	30,028,794.56		30,028,794.56	959,555.07
Miscellaneous					
White Pine.....		997.05		997.05	34.10
Red Pine.....		1,245.25		1,245.25	42.59
Jack Pine.....		37,972.85		37,972.85	937.93
Spruce.....		84,904.10		111,519.50	4,052.04
Balsam.....		62,506.74		68,902.50	1,356.80
Cedar.....		3,237.65		3,237.65	56.98
White Birch.....		28,740.79		32,990.35	233.39
Poplar.....		74,336.86		81,154.30	574.79
Total		---		338,019.45	7,288.62
Grand	4,308,926	---		42,170,964.88	1,310,304.05
Number of District Cutting Licenses issued and included in above - 203					\$53,103.53

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

SAULT STE. MARIE

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine		1,135.18	96,490.30	3,086.91
	Red Pine.....		2,588.03	219,982.55	6,478.67
	Jack Pine.....		1,360.96	115,681.60	3,402.40
	Spruce.....		6,185.72	525,786.20	19,111.84
	Hemlock.....		1,057.92	89,923.20	2,137.25
	Balsam.....		1,605.42	136,460.70	2,487.15
	Cedar.....		6.86	583.10	14.29
	Maple.....		219.19	18,631.15	219.19
	Yellow Birch.....		7.75	658.75	7.75
	White Birch.....		490.12	41,660.20	731.77
	Poplar.....		508.95	43,260.75	614.66
	Hardwood.....		7,773.10	660,713.50	7,773.10
	Total		22,939.20	1,949,832.00	46,064.98
Fuelwood	Softwood.....		686.26	58,332.10	686.26
	Hardwood.....		1,218.37	103,561.45	1,218.37
	Total		1,904.63	161,893.55	1,904.63
Total Cordage			24,843.83	2,111,725.55	47,969.61
Logs, Long Timbers Pulp Logs Cu. Ft.	White Pine.....	31	285.42	285.42	9.42
	Spruce.....	46	332.14	332.14	16.61
	Yellow Birch.....	3	24.99	24.99	.30
	Hardwood.....	12	106.61	106.61	1.27
	Total	92	749.16	749.16	27.60

SAULT STE. MARIE Cont'd.

Sawlogs, Cu. Ft.

White Pine.....					
Red Pine.....	300	4,481.64	4,481.64	358.53	
Jack Pine.....	350	4,143.81	4,143.81	331.50	
Spruce.....	1,788	12,406.30	12,406.30	774.38	
Hemlock.....	6	10,744.19	10,744.19	644.65	
Balsam.....	186	6,749.18	6,749.18	269.96	
Cedar.....	29	7,316.15	7,316.15	292.63	
Maple.....		8,547.33	8,547.33	341.90	
Yellow Birch.....		35,353.74	35,353.74	2,120.61	
White Birch.....		20,079.44	20,079.44	2,610.32	
Oak.....		4,028.80	4,028.80	322.30	
Ash.....		1,425.44	1,425.44	71.28	
Elm.....		207.72	207.72	10.39	
Poplar.....		709.30	709.30	35.47	
Hardwood.....		21,897.10	21,897.10	656.91	
		294.50	294.50	8.84	
Total	2,659	138,384.64	138,384.64	8,819.68	

Long Timber, Cu. Ft.

Spruce.....	95	1,853.46	1,853.46	111.22	
Cedar.....	21	350.19	350.19	15.55	
Total	116	2,203.65	2,203.65	126.77	

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

SAULT STE. MARIE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, MBM	White Pine	64,310	8,288.61	1,155,378.16	94,408.32
	Red Pine.....	2,570	249.97	36,423.58	2,743.61
	Jack Pine.....	812	29.06	5,432.34	348.75
	White Spruce.....	340	24.40	3,580.17	280.62
	Spruce.....	6,407	372.77	57,121.93	3,523.84
	Hemlock.....	4,011	405.53	63,843.50	2,330.12
	Balsam.....	32	1.02	172.31	7.35
	Cedar.....	101	4.23	776.34	33.83
	Maple.....	98,038	6,513.09	972,973.08	55,837.69
	Yellow Birch.....	194,781	14,001.92	2,001,861.26	224,440.92
	White Birch.....	23,516	1,229.94	180,557.41	9,305.01
	Oak.....	2,673	258.19	38,529.17	2,267.84
	Ash.....	41	3.48	513.45	25.95
	Elm.....	357	34.08	5,086.62	282.42
	Poplar.....	260	17.61	2,627.06	87.57
	Total	398,249	31,433.90	4,524,878.38	396,923.84
	Total Logs, Long Timbers	401,116	172,771.35	4,666,215.83	405,897.89
Miscellaneous Posts, Lin. Ft.	Cedar.....	200	1,570.00	314.00	31.40
	Spruce.....	411	1,139.45	1,139.45	68.37

SAULT STE MARIE Cont'd.

Other

White Pine.....	65,973.28	65,973.28	5,277.86
Red Pine.....	10,849.79	10,849.79	867.98
Jack Pine.....	54,700.90	54,700.90	3,282.06
White Spruce.....	6,426.82	6,426.82	385.61
Black Spruce.....	24,421.45	24,421.45	1,465.29
Spruce.....	35,252.78	35,252.78	2,115.17
Hemlock.....	627.00	627.00	25.08
Balsam.....	2,411.12	2,411.12	96.45
Cedar.....	995.49	995.49	39.82
Tamarack.....	4,902.25	4,902.25	196.09
Maple.....	3,311.39	3,311.39	185.63
Yellow Birch.....	2,239.50	2,239.50	273.49
White Birch.....	9,612.80	9,612.80	769.03
Oak.....	159.00	159.00	7.95
Poplar.....	30,776.68	30,776.68	923.30
Hardwood.....	168.12	168.12	6.21
Total	641	254,281.82	16,016.79
Grand Total	401,757	7,032,223.20	469,884.29
Number of District Cutting Licences issued and included in above - 99			
			\$35,278.47

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

STOUX LOOKOUT

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	Red Pine.....		3.22	273.70	9.00
	Jack Pine.....		21,936.52	1,864,604.20	45,356.89
	Spruce.....		72,584.90	6,169,716.50	239,219.15
	Balsam.....		1,754.08	149,096.80	2,655.13
	Tamarack.....		1.21	102.85	1.85
	Poplar.....		67.32	5,722.20	40.39
Total			96,347.25	8,189,516.25	287,282.41
Fuelwood	Jack Pine.....		116.69	9,918.65	58.36
	Softwood.....		1,020.85	86,772.25	631.02
Total			1,137.54	96,690.90	689.38
Total Cordage			97,484.90	8,286,207.15	287,971.79
Logs, Long Timbers Pulplogs, Cu. Ft.	White Pine.....	240	2,888.60	2,888.60	95.32
	Red Pine.....	120	639.00	639.00	21.09
	Jack Pine.....	1,146,571	3,940,453.48	3,940,453.48	97,329.42
	Spruce.....	1,379,402	3,515,368.31	3,515,368.31	120,225.74
	Balsam.....	940	3,404.00	3,404.00	88.20
	Tamarack.....	4,480	13,374.00	13,374.00	346.46
		2,531,753	7,476,127.39	7,476,127.39	218,106.23
Total			7,476,127.39		
Sawlogs, Cu. Ft.	Red Pine.....	1,084	7,186.67	7,186.67	395.27
	Jack Pine.....	27,487	143,948.79	143,948.79	4,125.68
	Spruce.....	40,590	175,441.31	175,441.31	6,878.70
	Balsam.....	43	209.97	209.97	5.79
	Poplar.....	1,799	16,984.45	16,984.45	169.84
Total		71,003	343,771.19	343,771.19	11,575.28

SIoux LOOKOUT Cont'd.

Long Timber, Cu. Ft.

Jack Pine.....	1,157	17,446.90	17,446.90	884.79
Total	1,157	17,446.90	17,446.90	884.79

Sawlogs, MBM

Red Pine.....	132	9.07	1,338.44	90.70
Jack Pine.....	62,661	1,613.49	272,462.35	9,130.91
Spruce.....	44,962	1,130.00	192,124.15	6,364.64
Balsam.....	56	1.32	228.03	5.95
Total	107,811	2,753.88	466,152.97	15,592.20
Total Logs, Long Timbers	2,711,724	7,840,099.36	8,303,498.45	246,158.50

Tree Length Material

Jack Pine.....	633,313	5,984,646.11 cu ft.	5,984,646.11	147,820.75
Spruce.....	1,296,496	6,324,334.54	6,324,334.54	216,292.25
Balsam.....	30,718	237,890.79	237,890.79	4,067.94
Red Pine.....	12	1.40 MBM	261.93	14.00
Jack Pine.....	33,249	1,673.63	314,628.88	2,833.79
Spruce.....	200,841	9,083.71	1,697,890.32	54,502.26
Balsam.....	26,575	912.92	170,639.34	5,477.52
Total	2,221,204	---	14,730,291.91	431,008.51

Miscellaneous

Jack Pine.....	---	6,936.84	20,002.20	551.68
Spruce.....	---	27,124.35	27,124.35	977.65
Total	---	---	47,126.55	1,479.33
Total Grand	4,932,928	---	31,367,124.06	966,618.13

Number of District Cutting Licences issued and included in above - 68

\$46,939.46

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

SUDBURY

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine		1,107.77 Cords	94,160.45	2,626.14
	Red Pine.....		256.83	21,830.55	649.81
	Jack Pine.....		30,717.24	2,610,965.40	66,288.76
	Spruce.....		2,492.34	211,848.90	7,588.91
	Hemlock.....		655.40	55,709.00	983.47
	Balsam.....		296.64	25,214.40	939.01
	Tamarack.....		28.67	2,436.95	43.00
	Maple.....		1,143.93	97,234.05	1,003.01
	Yellow Birch.....		165.96	14,106.60	158.95
	White Birch.....		3,771.76	320,599.60	4,459.71
	Oak.....		11.22	953.70	11.68
	Beech.....		9.41	799.85	7.06
	Ash.....		6.65	565.25	8.32
	Poplar.....		6,688.14	568,491.90	6,291.34
Total			47,351.96	4,024,916.60	91,059.17
Fuelwood	Softwood.....		25.00	2,125.00	25.00
	Hardwood.....		365.00	31,025.00	365.00
Total			390.00	33,150.00	390.00
Total Cordage			47,741.96	4,058,066.60	91,449.17
Logs, Long Timber Pulp Logs, Cu. Ft.	White Birch.....	1,687	5,317.84 Cu. Ft.	5,317.84	63.82
		1,687	5,317.84	5,317.84	63.82
Total					

SUDBURY Cond'd.

Sawlogs, Cu. Ft.

White Pine.....	95,309	1,039,504.71	1,039,504.71	63,828.02
Red Pine.....	111,552	970,448.08	970,448.08	59,115.70
Jack Pine.....	487,648	2,338,627.93	2,338,627.93	73,713.26
Spruce.....	58,553	282,942.92	282,942.92	14,556.59
Hemlock.....	2	5.57	5.57	.18
Balsam.....	499	2,787.98	2,787.98	102.46
Cedar.....	345	2,144.63	2,144.63	84.19
Maple.....	20	309.20	309.20	37.10
White Birch.....	10,266	55,797.07	55,797.07	3,516.28
Poplar.....	9,614	99,287.72	99,287.72	2,926.76
Total	773,808	4,791,855.81	4,791,855.81	217,880.54

Veneer Logs, Cu. Ft.

Yellow Birch.....	5,479	51,880.12	51,880.12	622.58
White Birch.....	709	5,359.34	5,359.34	64.31
Total	6,188	57,239.46	57,239.46	686.89

Long Timber Cu. Ft.

White Pine.....	16	287.88	287.88	23.03
Red Pine.....	131	2,484.92	2,484.92	198.79
Jack Pine.....	24	637.51	637.51	40.81
Spruce.....	85	2,494.78	2,494.78	164.04
Total	256	5,905.09	5,905.09	426.67

Sawlogs, MBM

White Pine.....	5,280	651.65	MBM	7,709.68
Red Pine.....	698	65.45		903.36
Jack Pine.....	34,688	897.70		3,590.80
Spruce.....	36,949	1,139.61		7,979.11
Hemlock.....	1,211	94.64		386.34
Balsam.....	1	.02		.08
Cedar.....	50	4.00		32.00
Maple.....	511	38.16		242.82
Yellow Birch.....	2,249	161.97		2,612.66
White Birch.....	1,883	102.18		1,019.50
Oak.....	7	.62		6.20
Poplar.....	234	10.41		36.44
Total	83,761	3,166.41		24,518.99
Total Logs. Long Timbers	865,700	4,863,484.61	5,376,186.93	243,576.91

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

SUDBURY Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Tree Length Material					
	Jack Pine.....	60,735	978.59 MBM	18,291.40	3,914.36
	Spruce.....	79,653	683.71	12,779.63	4,785.97
Total		140,388	1,662.30	31,071.03	8,700.33
Miscellaneous Posts, Lin. Ft.					
	Cedar.....	1,665	12,215.00 Lin. Ft.	2,443.00	236.30
	Tamarack.....	225	1,800.00	360.00	36.00
Mining Timber					
	Hardwood.....	3,000	53.55 Cu. Ft.	53.55	60.00
Total		4,890	--	2,856.55	332.30
Grand Total		1,010,978	--	9,468,181.11	344,058.71
Number of District Cutting Licenses issued and included in above - 174					\$71,470.01

SWASTIKA

Cordage
Pulpwood Rough

Jack Pine	17,934.40	Cords	1,524,424.00	36,460.26
Spruce	47,332.22		4,023,238.70	154,770.65
Balsam	5,796.66		492,716.10	11,294.20
Tamarack	51.00		4,335.00	90.04
White Birch	1,665.81		141,593.85	856.19
Poplar	1,056.00		89,760.00	767.05
Total	73,836.09		6,276,067.65	204,238.39

Pulpwood Peeled

Jack Pine	609.01		59,590.60	1,483.35
Spruce	332.30		32,603.75	1,202.42
Balsam .....	.24		24.00	.54
Tamarack .....	.05		5.00	.08
Poplar	1,585.03		152,405.50	1,052.68
Total	2,526.63		244,628.85	3,739.07

Veneer Bolts

White Birch	247.32		21,022.20	370.99
Poplar	839.68		71,372.80	1,259.54
Total	1,087.00		92,395.00	1,630.53

Fuelwood

Spruce	19.59		1,665.15	9.80
Balsam	67.73		5,757.05	33.87
Softwood	137.00		11,645.00	68.50
Hardwood	545.07		46,330.95	267.54
Total	769.39		65,398.15	379.71
Total Cordage	78,219.11		6,678,489.65	209,987.70

Logs, Long Timber
Pulp Logs, Cu. Ft.

Jack Pine	1,004		4,252.41	105.03
Spruce	219,638		680,183.21	22,756.70
Balsam	168,443		584,036.77	10,514.15
Total	389,085		1,268,472.39	33,375.88

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

SWASTIKA Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, Cu. Ft.	Jack Pine.....	492,050	2,594,054.76	2,594,054.76	94,072.96
	Spruce.....	264,804	1,677,210.38	1,677,210.38	65,079.26
	Balsam.....	126,864	642,528.31	642,528.31	12,886.62
	Cedar.....	17	266.33	266.33	4.39
	Yellow Birch.....	229	2,833.50	2,833.50	20.40
	White Birch.....	36,598	215,030.68	215,030.68	3,046.80
	Ash.....	1,107	5,965.43	5,965.43	35.81
	Poplar.....	228,000	1,568,225.59	1,568,225.59	20,408.57
	Total	1,149,579	6,706,114.98	6,706,114.98	195,554.81
Long Timbers, Cu. Ft.	White Pine.....	4	128.18	128.18	10.63
	Red Pine.....	182	4,372.95	4,372.95	333.21
	Jack Pine.....	1,493	28,763.61	28,763.61	2,169.08
	Spruce.....	727	15,882.00	15,882.00	1,148.78
	Total	2,406	49,146.74	49,146.74	3,661.70
Sawlogs, MBM	White Pine.....	9,700	1,028.15	145,154.32	8,317.68
	Red Pine.....	391	26.29	3,872.45	197.22
	Total	10,091	1,054.44	149,026.77	8,514.90
	Total Logs, Long Timbers	1,551,161	8,024,788.55	8,172,760.88	241,107.29
Tree Length Material	Jack Pine.....	349,640	4,633,628.34	4,633,628.34	133,164.73
	Spruce.....	191,046	1,593,940.78	1,593,940.78	58,843.78
	Balsam.....	3,244	23,842.03	23,842.03	539.18
	Total	543,930	6,251,411.15	6,251,411.15	192,547.69

SWASTIKA Cont'd.

Miscellaneous
Posts Lin. Ft.

Cedar.....	4,972	40,972.00	Lin. Ft.	8,194.40	409.72
Mining Timber					
Spruce.....	5	12.69		1,078.65	44.42
White Birch.....	56	196.74		16,722.90	98.38
Jack Pine.....	1,443	2,835.18		2,835.18	66.69
Black Spruce.....	126	463.92		463.92	19.11
Spruce.....	10,670	23,423.42		23,423.42	888.60
White Birch.....	250	1,173.51		1,173.51	13.26
Total	17,522	---		53,891.98	1,542.18
Grand Total	2,112,613	---		21,156,553.66	645,184.86

Number of District Cutting Licenses issued and included in above - 197

\$100,784.03

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

TWEED

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	Pine.....		190.79	16,217.15	269.28
	Spruce.....		280.62	23,852.70	1,147.19
	Hemlock.....		51.90	4,411.50	84.45
	Balsam.....		2,043.62	173,707.70	3,985.57
	Cedar.....		274.78	23,356.30	563.28
	Tamarack.....		4.38	372.30	6.57
	White Birch.....		420.83	35,770.55	9,258.26
	Poplar.....		1,029.92	87,543.20	9,179.77
	Hardwood.....		14,692.76	1,248,884.60	17,787.02
	Total		18,989.60	1,614,116.00	42,281.39
Pulpwood Peeled	Spruce.....		2.76	276.00	9.66
	Balsam.....		20.12	2,012.00	35.22
	Hardwood.....		848.78	74,066.75	830.82
	Total		871.66	76,354.75	875.70
Fuelwood	Hardwood.....		136.79	11,627.15	102.59
Total			136.79	11,627.15	102.59
Total Cordage			19,998.05	1,702,097.90	43,259.68

TWEED Cont'd.

Logs, Long Timbers
Pulplogs, Cu. Ft.

Maple.....	114	338.95	338.95	3.38
Yellow Birch.....	1	3.21	3.21	.03
Beech.....	5	13.23	13.23	.14
Ash.....	50	121.45	121.45	1.23
Elm.....	25	54.66	54.66	.55
Basswood.....	73	219.48	219.48	2.19
Poplar.....	17	49.42	49.42	.50
Hardwood.....	1,236	5,176.86	5,176.86	51.76
Total	1,521	5,977.26	5,977.26	59.78

Saw Logs, Cu. Ft.

White Pine.....	20	728.09	728.09	53.59
Red Pine.....	5	99.71	99.71	6.35
Spruce.....	275	677.17	677.17	32.17
Hemlock.....	59	724.79	724.79	43.15
Balsam.....	85	561.09	561.09	28.36
Cedar.....	282	496.71	496.71	22.21
Total	726	3,287.56	3,287.56	185.83

Long, Timber Cu. Ft.

White Pine.....	129	2,018.56	2,018.56	127.10
Red Pine.....	186	3,862.96	3,862.96	262.97
Spruce.....	33	746.07	746.07	33.49
Hemlock.....	213	3,526.81	3,526.81	168.53
Balsam.....	6	77.17	77.17	2.31
Cedar.....	49	689.50	689.50	19.31
Maple.....	43	956.55	956.55	61.29
Yellow Birch.....	18	529.43	529.43	23.88
White Birch.....	6	147.43	147.43	7.40
Beech.....	7	163.49	163.49	8.33
Ash.....	1	15.82	15.82	.06
Elm.....	9	233.47	233.47	2.94
Basswood.....	1	74.18	74.18	5.93
Poplar.....	50	878.97	878.97	39.56
Total	751	13,920.71	13,920.71	763.10

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

TWEED Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, MBM	White Pine.....	106,054	5,884.26 MBM	959,535.99	75,819.93
	Red Pine.....	26,400	1,147.11	189,546.64	14,266.37
	Spruce.....	23,233	978.64	169,220.13	13,181.68
	Henlock.....	18,802	1,016.78	157,166.16	6,303.46
	Balsam.....	6,940	151.88	27,612.09	1,743.11
	Cedar.....	3,655	89.34	15,784.15	738.73
	Tamarack.....	273	8.46	1,500.16	67.41
	Maple.....	47,581	2,980.96	490,098.82	35,382.13
	Yellow Birch.....	4,494	248.74	39,147.16	4,055.04
	White Birch.....	8,867	312.98	54,639.36	5,848.42
	Oak.....	9,822	428.68	73,391.96	5,049.36
	Beech.....	7,860	383.92	66,099.73	2,374.29
	Ash.....	2,244	87.10	15,152.26	943.03
	Elm.....	3,216	228.54	37,364.44	1,990.44
	Basswood.....	16,862	839.97	137,226.28	11,095.84
	Butternut.....	41	2.01	318.55	20.16
	Cherry.....	79	2.66	462.55	30.59
	Poplar.....	38,931	1,692.54	292,433.63	11,008.27
	Total	325,354	16,484.57	2,726,599.96	189,918.26
	Total Logs, Long Timbers	328,352	39,670.10	2,749,785.40	190,926.97
Miscellaneous Posts, Lin. Ft.	Cedar.....	3,817	29,459.00	5,891.80	282.17
	Total	3,817	29,459.00	5,891.80	282.17
	Grand Total	332,169	---	4,457,775.19	234,468.82
Number of District Cutting Licences issued and included in above - 196					\$ 135,996.38

WHITE RIVER

Cordage
Pulpwood Rough

Jack Pine.....	7,019.49	596,656.65	16,615.27
Spruce.....	93,634.05	7,956,188.70	281,945.54
Balsam.....	846.80	71,978.00	1,480.52
Total	101,500.34	8,624,823.35	300,041.33
Total Cordage	101,500.34	8,624,823.35	300,041.33

Logs, Long Timbers
Pulp Logs, Cu. Ft.

Jack Pine.....	249	810.41	20.02
Spruce.....	576	1,722.65	67.01
Balsam.....	97	197.22	4.42
Total	922	2,730.28	91.45
Saw Logs, Cu. Ft.			
Jack Pine.....	30,875	139,900.94	4,197.03
Total	30,875	139,900.94	4,197.03

Long Timber Cu. Ft.

Red Pine.....	12	137.23	9.27
Total	12	137.23	9.27

Sawlogs, MBM

White Pine.....	5,195	791.44 MBM	9,302.87
Red Pine.....	346	20.51	225.61
Spruce.....	2,922	35,290.26	2,429.10
Maple.....	7,422	63,217.24	3,633.18
Yellow Birch.....	72,546	4,986.63	81,589.71
White Birch.....	14,767	759.58	3,958.64
Ash.....	4	32.32	1.65
Total	103,202	7,229.69	101,140.76
Total Logs, Long Timber	135,011	149,998.14	105,438.51

Tree Length Material

Jack Pine.....	666,875	5,627,244.74 Cu. Ft.	158,523.76
Spruce.....	174,539	927,375.93	33,385.53
Cedar.....	40	1,769.06	35.38
Total	841,454	6,556,389.73	191,944.67

WHITE RIVER Cont'd.

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1968-69

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Miscellaneous Mining Timber	Hardwood		35.00	2,975.00	35.00
	Jack Pine		1,221.07	1,221.07	73.26
	Spruce		18,551.57	18,551.57	1,113.15
	Poplar		1,749.48	1,749.48	53.20
Other	White Pine		99,096.37	99,096.37	4,719.26
	Jack Pine		17,385.64	17,385.64	513.99
	Spruce		203,392.89	203,392.89	9,022.65
	Balsam		18,521.55	18,521.55	316.33
	Cedar		9,139.16	9,139.16	150.80
	Tamarack		778.97	778.97	12.86
	Maple		78,908.11	78,908.11	2,403.82
	Yellow Birch		32,338.52	32,338.52	1,298.72
	White Birch		258,340.27	258,340.27	3,459.26
	Poplar		102,423.32	102,423.32	614.54
	Total		---	844,821.92	23,788.84
	Grand Total	976,465	---	17,199,985.58	621,213.35
Number of District Cutting Licences issued and included in above - 14					\$1,274.61

TIMBER CUT ON CROWN LAND, BY FOREST DISTRICTS in 000's Cubic Feet and \$000's in year Ending March 31st, 1970.

DISTRICTS	Permits Issued	Sawlogs	Long Timber	Pulpwood	Fuel Wood	Misc.	Total Volume	Stumpage Value
Chapleau.....	56	10,197	4	16,497	21	..	26,719	\$ 767
Cochrane.....	185	6,330	1	32,190	46	32	38,599	1,296
Fort Frances.....	147	542	28	16,093	8	57	16,728	440
Geraldton.....	52	2,596	..	64,104	24	..	66,724	1,938
Kapuskasing.....	150	11,799	12	35,415	53	1	47,280	1,689
Kemptville.....	10	114	..	12	18	..	144	8
Kenora.....	164	1,097	30	29,219	10	5	30,361	991
Lake Simcoe.....	6	3	..	1	..	..	4	..
Lindsay.....	40	699	2	..	15	16	732	48
North Bay.....	159	8,524	140	5,832	39	6	14,541	688
Parry Sound.....	140	2,878	6	184	36	150	3,254	267
Pembroke.....	62	8,853	569	7,529	17	..	16,968	647
Sault Ste. Marie.....	121	3,989	11	4,457	35	3	8,495	430
Sioux Lookout.....	92	806	..	42,985	71	..	43,862	1,338
Sudbury.....	235	4,734	11	7,656	44	2	12,447	407
Swastika.....	188	5,039	31	15,249	51	37	20,407	623
Thunder Bay.....	241	4,227	..	56,739	22	..	60,988	1,987
Tweed.....	227	3,650	21	2,015	31	17	5,734	298
White River.....	35	670	..	15,683	7	..	16,360	564

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		4,698.27	399,352.95	12,758.26
	Red Pine.....		5,383.17	457,569.45	12,180.94
	Jack Pine.....		387,036.36	32,900,090.60	861,767.80
	Pine.....		120.58	10,249.30	177.53
	All Spruce.....		950,220.82	80,769,047.65	3,137,802.38
	Heulock.....		5,248.36	446,110.60	8,252.62
	Balsam.....		64,548.60	5,487,081.60	127,701.15
	Cedar.....		447.31	38,021.35	875.01
	Tamarack.....		44.49	3,781.65	73.85
	Conifers.....		823.90	70,031.50	1,208.93
	Maple.....		1,486.25	126,331.25	1,130.92
	Yellow Birch.....		167.77	14,345.45	126.47
	White Birch.....		10,610.93	901,929.05	10,315.58
	Oak.....		21.24	1,805.40	20.61
	Beech.....		30.46	2,589.10	22.85
	Black Ash.....		0.90	76.50	2.68
	Ash.....		7.38	627.30	6.85
	Elm.....		17.27	1,467.95	19.81
	Black Cherry.....		5.00	425.00	5.00
	Poplar.....		167,278.20	14,232,088.65	114,006.91
	Hardwoods.....		55,211.91	4,693,012.50	50,210.54
	Total		1,653,410.17	140,556,034.80	4,338,666.69
Pulpwood Peeled	Jack Pine.....		1,462.30	145,660.15	3,602.55
	All Spruce.....		16,175.76	1,615,172.40	58,221.00
	Balsam.....		51.46	4,714.60	103.31
	White Birch.....		21.68	2,168.00	18.95
	Poplar.....		6,477.27	627,975.45	6,092.42
	Hardwoods.....		637.87	54,680.65	557.57
Total			24,826.34	2,450,371.25	68,595.80

Veneer Bolts

Jack Pine.....	72.01	6,120.85	151.23
All Spruce.....	1,240.42	105,435.70	4,227.03
Balsam.....	57.27	4,867.95	108.83
White Birch.....	1,140.40	96,934.00	1,168.46
Poplar.....	24,557.48	2,087,385.80	17,165.34
Total	27,067.58	2,300,744.30	22,820.89

Fuelwood

Jack Pine.....	518.15	44,042.75	259.13
Conifers.....	1,063.34	90,383.90	640.10
Hardwoods.....	4,866.58	413,659.30	4,140.33
Total	6,448.07	548,085.95	5,039.56
Total Cordage	1,711,752.16	145,855,236.30	4,435,122.94

Logs, Long Timbers Pulp Logs

White Pine.....	136,695	477,935.91	7,903.18
Red Pine.....	1,311	4,629.89	124.82
Jack Pine.....	3,867,021	15,287,260.08	378,167.42
All Spruce.....	7,695,564	25,022,067.46	917,729.33
Hemlock.....	4,957	36,453.28	601.95
Balsam.....	597,857	2,054,050.35	39,345.01
Cedar.....	1,454	3,820.00	63.62
Tamarack.....	2,927	7,658.46	197.83
Conifers.....	53,151	104,719.52	1,757.83
White Birch.....		7,796.86	94.68
Poplar.....		56,843.89	670.01
Hardwoods.....	10,398	141,708.45	973.78
Total	12,371,335	43,204,944.15	1,347,627.46

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs (Cu. Ft.)	White Pine.....	158,657	1,761,219.52	1,761,219.52	108,738.32
	Red Pine.....	130,873	1,033,611.29	1,033,611.29	69,407.89
	Jack Pine.....	2,867,389	13,564,224.68	13,564,224.68	415,088.48
	Pine.....	6,206	22,727.92	22,727.92	759.67
	All Spruce.....	3,632,788	17,824,951.47	17,824,951.47	663,444.05
	Hemlock.....	155	2,322.22	2,322.22	76.51
	Balsam.....	355,686	1,527,993.92	1,527,993.92	36,563.15
	Cedar.....	5,984	36,090.06	36,090.06	1,268.24
	Tamarack.....	1,620	8,098.16	8,098.16	293.02
	Maple.....	20	6,272.45	6,272.45	47.19
	Yellow Birch.....	1,474	12,787.96	12,787.96	86.02
	White Birch.....	49,073	306,837.39	306,837.39	4,956.40
	Oak.....	64	1,067.57	1,067.57	39.82
	Black Ash.....	11	2,200.11	2,200.11	28.13
	Ash.....	1,682	10,550.44	10,550.44	107.29
	Elm.....	22	2,067.22	2,067.22	12.41
	Basswood.....		153.99	153.99	12.31
	Black Cherry.....		1,646.96	1,646.96	9.88
	Poplar.....	464,437	3,162,190.01	3,162,190.01	38,389.33
	Hardwood.....	67,332	245,891.95	245,891.95	2,147.96
Total		7,743,473	39,532,905.29	39,532,905.29	1,341,476.07
Veneer Logs	White Pine.....	89	857.64	857.64	30.36
	Jack Pine.....	13	78.39	78.39	2.90
	All Spruce.....	74,148	503,466.70	503,466.70	18,215.77
	Yellow Birch.....	49	345.81	345.81	4.15
	White Birch.....	41,920	220,190.53	220,190.53	4,041.33
	Poplar.....	510,866	3,446,459.64	3,446,459.64	43,616.90
Total		627,085	4,171,398.71	4,171,398.71	65,911.41

Long Timber

White Pine.....	505	14,002.11	14,002.11	1,266.84
Red Pine.....	25,889	615,874.87	615,874.87	68,971.00
Jack Pine.....	7,919	131,459.24	131,459.24	7,162.91
All Spruce.....	17,455	75,240.11	75,240.11	5,020.40
Hemlock.....	747	20,430.54	20,430.54	1,137.43
Balsam.....	198	757.85	757.85	41.61
Cedar.....	371	3,202.97	3,202.97	161.82
Tamarack.....	41	62.00	62.00	3.08
Conifers.....	249	6,069.10	6,069.10	554.40
White Birch.....	1	23.97	23.97	1.68
Oak.....	3	56.55	56.55	3.39
Total	53,078	867,179.31	867,179.31	84,324.56

Sawlogs MBM

White Pine.....	949,315	76,506.71	11,268,235.33	886,279.85
Red Pine.....	279,206	16,125.18	2,441,678.49	179,176.54
Jack Pine.....	101,382	2,711.67	460,950.99	16,516.61
White Spruce.....	89	5.78	861.14	66.50
All Spruce.....	272,149	12,034.70	1,910,519.64	107,093.70
Hemlock.....	179,054	11,808.43	1,745,730.83	56,502.30
Balsam.....	11,004	559.16	102,192.33	4,519.70
Cedar.....	7,192	276.86	49,890.94	1,772.41
Tamarack.....	423	13.27	2,371.83	91.02
Maple.....	477,587	34,277.59	5,102,632.32	320,942.92
Yellow Birch.....	433,667	31,771.75	4,560,466.14	478,209.35
White Birch.....	91,479	4,571.57	700,424.08	26,032.83
Oak.....	35,041	1,960.02	308,349.88	17,600.88
Beech.....	38,669	2,158.85	328,945.31	11,375.98
Ash.....	5,048	244.78	39,348.76	2,144.45
Elm.....	12,098	1,095.27	166,603.69	8,672.01
Basswood.....	40,010	2,010.58	324,444.25	24,238.36
Butternut.....	41	2.49	464.86	24.87
Black Cherry.....	2,082	124.38	18,504.64	829.79
Poplar.....	145,827	7,532.20	1,209,338.49	27,955.14
Total	3,081,363	205,791.24	30,711,953.94	2,150,145.21
Total Logs, Long Timbers	23,876,334	87,982,218.70	118,518,381.40	4,989,484.71

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Tree Length Material	White Pine.....	9,440	364,660.59	364,660.59	13,756.91
	Red Pine.....	466	13,975.71	13,975.71	552.59
	Jack Pine.....	5,093,881	54,479,185.99	54,479,185.99	1,411,802.28
	White Spruce.....	93,980	1,632,111.35	1,632,111.35	56,633.82
	Black Spruce.....	2,434,096	11,936,325.73	11,936,325.73	414,190.51
	All Spruce.....	12,016,205	76,748,120.80	76,748,120.80	2,758,619.53
	Balsam.....	690,651	4,277,209.28	4,274,120.20	83,940.52
	Cedar.....	453	3,492.69	3,492.69	99.85
	Tamarack.....	17	89.81	89.81	1.80
	White Birch.....	268	1,946.78	1,946.78	13.02
	Poplar.....	9,096	171,579.62	171,579.62	1,203.73
	White Pine.....	84	18.91	3,532.09	137.11
	Red Pine.....	129	18.58	3,470.93	134.72
	Jack Pine.....	638,796	23,376.26	4,369,393.50	87,681.56
	All Spruce.....	556,102	16,920.40	3,162,689.38	98,185.25
	Balsam.....	29,639	1,181.86	220,907.83	7,091.16
	Total	21,573,303	49,670,214.36	157,485,569.90	4,934,044.36
Weight Measure	Hardwoods.....		4,881,864.65	8,163,113.61	57,876.53
	Total		4,881,864.65	8,163,113.61	57,876.53

Miscellaneous					
Mining Timbers					
	White Birch.....	14	37.30	3,170.50	18.65
	Jack Pine.....	1,460	2,581.03	2,581.03	60.66
	All Spruce.....	9,491	16,395.20	16,395.20	621.61
Poker Poles					
	Hardwoods.....		1,759.36	149,545.60	2,381.99
Posts					
	Cedar.....	11	9.22	783.70	18.44
	Jack Pine.....	820	5,740.00	1,148.00	86.10
	Pine.....	1,690	642.08	2,432.00	6.44
	All Spruce.....	20	120.00	24.00	5.00
	Cedar.....	29,343	234,191.86	49,313.24	2,791.39
Christmas Trees					
	All Spruce.....	81,934	41,189.00	41,466.50	4,130.45
Other					
	White Pine.....		319.00	319.00	25.52
	Red Pine.....		49.00	49.00	3.92
	Jack Pine.....		7,474.14	7,474.14	184.61
	All Spruce.....		25,177.18	25,177.18	884.74
	Balsam.....		188.00	188.00	5.21
	Cedar.....		186.00	186.00	3.07
	Hardwoods.....		10,786.00	27,082.00	204.26
Total		124,783	346,844.37	327,335.09	11,432.06
Grand Total		45,574,420		430,349,636.30	14,427,960.60
Number of District Citting Licences issued and included in above - 2310					
Conversion Factors 1 cubic foot = 5.35 board feet					
1 cord = 85 cubic feet					
					\$893,570.11

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

CHAPLEAU

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		0.15	12.75	0.21
	Red Pine.....		1.16	98.60	1.62
	Jack Pine.....		84,742.69	7,203,128.65	171,928.92
	Spruce.....		32,100.67	2,728,556.95	93,544.14
	Balsam.....		376.00	31,960.00	565.01
	White Birch.....		25.00	2,125.00	37.50
	Poplar.....		8,449.30	718,190.50	4,249.75
Total			125,694.97	10,684,072.45	270,327.15
Fuelwood	Conifers		120.00	10,200.00	120.00
	Hardwood		125.00	10,625.00	125.00
Total			245.00	20,825.00	245.00
Total Cordage			125,939.97	10,704,898.45	270,572.15
Logs, Long Timbers Sawlogs, Cu. Ft.	Jack Pine.....	991,293	5,360,070.55	5,360,070.55	145,408.90
	Spruce.....	604,487	3,467,655.83	3,467,655.83	123,243.34
	Balsam.....	26,704	126,297.69	126,297.69	2,525.45
	White Birch.....	368	3,896.33	3,896.33	35.06
	Poplar.....	23,102	213,933.03	213,933.03	1,961.95
		1,645,954	9,171,853.43	9,171,853.43	273,174.70
Total			9,171,853.43	9,171,853.43	273,174.70
Long Timbers	Red Pine.....	51	2,917.54	2,917.54	204.23
	Jack Pine.....	06	246.44	246.44	17.25
	Spruce.....	29	1,278.81	1,278.81	89.51
Total		86	4,442.79	4,442.79	310.99

CHAPLEAU Cont'd.

Sawlogs, MBM

White Pine.....	67,136	7,164.46	1,014,253.15	53,740.27
Red Pine.....	136	14.91	2,097.28	108.45
Yellow Birch.....	919	59.31	8,376.32	593.10
Total	68,191	7,238.68	1,024,726.75	54,441.82
Total Logs, Long Timbers	1,714,231	9,183,534.90	10,201,022.97	327,927.51
Tree Length Material				
Jack Pine.....	269,833	3,049,690.30	3,049,690.30	75,411.82
Spruce.....	445,209	2,659,891.97	2,659,891.97	91,227.69
Balsam.....	13,611	103,074.49	103,074.49	2,061.51
Total	728,703	5,812,656.76	5,812,656.76	168,701.02
Grand Total	2,442,934	---	26,718,577.18	767,200.68
Number of District Cutting Licences issued and included in above - 56				
Conversion Factors - 1 cubic foot = 5.35 board feet				
1 cord = 85 cubic feet				
\$2,110.40				

COCHRANE

Pulpwood Rough

Jack Pine.....	2,395.19	203,591.15	5,096.76
Spruce.....	134,917.38	11,468,255.25	416,585.41
Balsam.....	11,466.84	975,132.00	27,920.85
White Birch.....	10.85	922.25	6.51
Poplar.....	1,229.38	117,938.95	1,094.95
Hardwoods.....	19.84	1,686.40	9.92
Total	150,039.48	12,767,526.00	450,714.40

Pulpwood Peeled

Jack Pine.....	618.85	61,885.00	1,539.89
Spruce.....	8,106.88	810,668.00	30,510.20
Balsam.....	22.70	2,270.00	38.60
Total	8,748.43	874,843.00	32,088.69

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

COCHRANE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Veneer Bolts					
	Poplar.....		895.90	76,151.50	895.90
Total			895.90	76,151.50	895.90
Fuelwood					
	Hardwood.....		545.00	46,325.00	272.50
Total			545.00	46,325.00	272.50
Total Cordage			160,228.81	13,764,845.50	483,971.49
Logs, Long Timbers Pulp Logs					
	Jack Pine.....	570,749	3,573,444.66	3,573,444.66	88,264.14
	Spruce.....	3,099,791	11,296,383.55	11,296,383.55	419,106.35
	Balsam.....	140,990	559,446.71	559,446.71	9,566.44
	Hardwoods.....		73,998.75	73,998.75	443.99
Total		3,811,530	15,503,273.67	15,503,273.67	517,380.92
Sawlogs, Cu. Ft.					
	White Pine.....	694	17,044.63	17,044.63	846.80
	Red Pine.....	05	100.87	100.87	5.04
	Jack Pine.....	119,850	562,713.97	562,713.97	21,445.95
	Spruce.....	602,724	2,424,307.59	2,424,307.59	91,466.10
	Balsam.....	58,201	231,595.31	231,595.31	4,066.26
	White Birch.....	1,767	11,362.83	11,362.83	136.93
	Poplar.....	96,956	592,256.60	592,256.60	6,118.00
Total		880,197	3,839,381.80	3,839,381.80	124,025.08
Veneer Logs					
	White Pine.....	89	857.64	857.64	30.36
	Jack Pine.....	13	78.39	78.39	2.90
	Spruce.....	74,148	503,466.70	503,466.70	18,215.77
	White Birch.....	16,849	94,691.57	94,691.57	1,136.25
	Poplar.....	218,699	1,363,442.79	1,363,442.79	16,361.45
Total		309,798	1,962,537.09	1,962,537.09	35,746.73

COCHRANE Cont'd.

Long Timber		Spruce.....		50	717.99	717.99	37.10
Total				50	717.99	717.99	37.10
Sawlogs, NBM							
	White Pine.....	949	132.03		18,281.28		1,281.13
	Red Pine.....	176	22.79		3,176.06		216.51
	Jack Pine.....	25,780	584.30		100,789.21		2,337.20
	Spruce.....	40,813	1,195.94		195,635.85		8,371.58
	Cedar.....	59	3.29		498.91		9.87
	White Birch.....	1,258	44.26		7,004.39		85.75
	Poplar.....	15,405	834.08		127,072.19		1,462.85
Total		84,440	2,816.69		452,457.89		13,764.89
Total Logs, Long Timbers		5,086,015	21,308,727.24		21,758,368.44		690,954.72
Tree Length Material							
	Jack Pine.....	75,289	1,326,409.52	Cu. Ft.	1,326,409.52		51,671.97
	Spruce.....	205,226	1,712,790.22		1,712,790.22		68,270.85
	Balsam.....	356	4,429.68		4,429.68		177.20
Total		280,871	3,043,629.42		3,043,629.42		120,120.02
Miscellaneous							
	Posts, Lin. Ft.	1,878	15,808.00		3,161.80		158.08
Other							
	Jack Pine.....		4,729.14		4,729.14		116.81
	Spruce.....		24,330.18		24,330.18		854.33
Total		1,878	44,867.32		32,220.92		1,129.22
Grand Total		5,368,764	24,557,452.79		38,599,064.28		1,296,175.45
Number of District Cutting Licences issued and included in above - 185							
							\$88,887.10

Number of District Cutting Licences issued and included in above - 185

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

FORT FRANCES

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		48.37	4,111.45	83.07
	Red Pine.....		965.40	82,059.00	1,471.49
	Jack Pine.....		34,523.73	2,934,517.05	80,413.20
	Spruce.....		30,688.98	2,608,563.30	107,032.52
	Balsam.....		1,917.50	162,987.50	3,337.45
	Poplar.....		26,920.80	2,288,288.00	21,622.00
Total			95,064.78	8,080,506.30	213,959.73
Fuelwood	Hardwood.....		90.94	7,729.90	88.60
	Total		90.94	7,729.90	88.60
	Total Cordage		95,155.72	8,088,236.20	214,048.33
Logs, Long Timbers Pulp Logs, Cu. Ft.	Red Pine.....	31	482.49	482.49	16.50
	Jack Pine.....	3,903	36,374.00	36,374.00	1,036.17
	Spruce.....	6,015	14,043.00	14,043.00	680.03
	Balsam.....	3,683	7,206.00	7,206.00	148.15
	Cedar.....	1,454	3,795.00	3,795.00	62.62
	Hardwoods.....	8,788	60,010.00	60,101.00	432.07
Total		23,874	121,910.49	121,910.49	2,375.54

FORT FRANCES Cont'd.

Sawlogs, Cu. Ft.

White Pine.....	1,749	14,323.20	14,323.20	1,075.14
Red Pine.....	5,423	46,873.66	46,873.66	4,827.44
Jack Pine.....	19,797	134,874.26	134,874.26	4,274.30
Spruce.....	8,865	24,645.88	24,645.88	935.66
Balsam.....	14,838	28,397.00	28,397.00	788.95
Cedar.....	931	6,391.97	6,391.97	215.15
White Birch.....		16.72	16.72	.25
Poplar.....	15,996	96,039.78	96,039.78	710.16
Hardwoods.....	33,046	120,176.00	120,176.00	865.27
Total	100,645	471,738.47	471,738.47	13,692.32

Long Timber Cu. Ft.

White Pine.....	40	3,441.56	3,441.56	275.33
Red Pine.....	874	24,152.52	24,152.52	1,765.87
Jack Pine.....	14	305.27	305.27	16.82
Total	928	27,899.35	27,899.35	2,058.02

Sawlogs, MBM

White Pine.....	4,636	193.27	29,386.48	2,138.65
Red Pine.....	2,563	117.26	18,079.01	1,645.08
Jack Pine.....	2,563	102.17	16,255.13	817.36
Spruce.....	89	3.05	484.99	24.40
Balsam.....	26	.32	60.67	2.08
Cedar.....	393	10.54	1,770.95	57.35
White Birch.....	33	1.17	184.81	1.76
Poplar.....	536	24.78	3,647.01	37.17
Total	10,839	452.56	69,869.05	4,723.85
Total Logs, Long Timbers	136,286	622,000.87	691,417.36	22,849.73

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

FORT FRANCES Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Tree Length Material	White Pine.....	250	9,251.40 Cu. Ft.	9,251.40	548.87
	Red Pine.....	74	1,995.54	1,995.54	116.73
	Jack Pine.....	102,312	1,280,989.09	1,280,989.09	31,862.43
	Spruce.....	203,284	1,178,406.47	1,178,406.47	42,329.46
	Balsam.....	20	90.70	90.70	3.46
	Cedar.....	426	3,250.39	3,250.39	95.56
	White Birch.....	62	732.53	732.53	4.39
	Poplar.....	8,136	155,660.19	155,660.19	1,103.52
	White Pine.....	84	18.91 MEM	3,532.09	137.11
	Red Pine.....	129	18.58	3,470.93	134.72
	Jack Pine.....	605,666	21,435.10	4,006,560.08	85,740.40
	Spruce.....	331,554	6,674.40	1,247,550.04	36,709.25
	Total	1,251,997	2,658,523.30	7,891,489.45	198,785.90
Miscellaneous Posts, Lin. Ft.	Cedar.....	1,166	11,021.00	2,204.20	110.91
Christmas Trees	Spruce.....	80,259	41,189.00	40,129.00	4,012.95
Other	White Pine.....		319.00	319.00	25.52
	Red Pine.....		49.00	49.00	3.92
	Jack Pine.....		2,745.00	2,745.00	67.80
	Spruce.....		847.00	847.00	30.41
	Balsam.....		188.00	188.00	5.21
	Cedar.....		186.00	186.00	3.07
Total	Hardwood.....	81,425	10,592.00	10,592.00	76.26
Grand Total		1,469,708	67,136.00	57,259.20	4,335.35
Number of District Cutting Licenses issued and included in above - 147			3,442,815.89	16,728,402.21	440,019.31
					\$53,640.71

GERALDTON

Cordage
Pulpwood Rough

Jack Pine.....	54,238.53	4,612,275.05	113,917.66
Spruce.....	212,224.66	18,039,096.10	677,860.57
Balsam.....	6,990.16	594,163.60	12,616.10
White Birch.....	5.00	425.00	3.00
Poplar.....	71,538.43	6,080,766.55	35,774.67
Total	344,996.78	29,326,726.30	840,172.00

Veneer Bolts

Jack Pine.....	25.95	2,205.75	54.50
Spruce.....	756.20	64,277.00	2,483.84
Balsam.....	57.27	4,867.95	108.83
White Birch.....	228.53	19,425.05	415.88
Poplar.....	17,467.53	1,484,740.05	11,289.05
Total	18,535.48	1,575,515.80	14,352.10

Fuelwood

Hardwoods.....	279.00	23,715.00	141.00
Total	279.00	23,715.00	141.00
Total Cordage	363,811.26	30,925,957.10	854,665.10

Logs, Long Timbers
Sawlogs. Cu. Ft.

Jack Pine.....	1,781	4,511.11	106.01
Spruce.....	3,071	16,802.21	715.70
Balsam.....	98	467.31	11.44
Cedar.....	60	574.30	11.49
White Birch.....	99	659.48	5.94
Poplar.....	21	44.94	0.31
Total	5,130	23,059.35	850.89

Veneer Logs, Cu. Ft.

White Birch.....	406	2,903.09	25.83
Poplar.....	152,105	994,502.59	8,851.07
Total	152,511	997,405.68	8,876.90

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

GERALDTON Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Long Timbers, Cu. Ft.					
	Spruce.....	38	423.80	423.80	30.50
Total		38	423.80	423.80	30.50
Total Logs, Long Timbers		157,679	1,020,888.83	1,020,888.83	9,758.29
Tree Length Material					
	Jack Pine.....	1,242,161	11,098,265.41	11,098,265.41	274,127.18
	White Spruce.....	93,980	1,632,111.35	1,632,111.35	56,633.82
	Black Spruce.....	2,434,096	11,936,325.73	11,936,325.73	414,190.51
	Spruce.....	1,458,520	8,214,211.07	8,314,211.07	294,890.19
	Balsam.....	312,624	1,790,640.10	1,790,640.10	33,890.65
	Cedar.....	27	242.30	242.30	4.29
	White Birch.....	206	1,214.25	1,214.25	8.63
	Poplar.....	425	3,970.83	3,970.83	28.52
Total		5,542,039	34,676,981.04	34,776,984.44	1,073,773.79
Miscellaneous Posts, Lin. Ft.					
	Spruce.....	20	120.00	24.00	5.00
	Cedar.....	193	1,471.00	294.20	29.52
Christmas Trees					
	Spruce.....	675	---	337.50	67.50
Total		888	1,591.00	655.70	102.02
Grand Total		5,700,606	36,063,272.13	66,724,486.07	1,938,299.20
Number of District Cutting Licences issued and included in above - 52					\$2,143.33

KAPUSKASING

Cordage Pulpwood Rough

Jack Pine.....	1,522.32	129,397.20	3,233.69
Spruce.....	181,589.29	15,435,089.65	627,464.46
Balsam.....	5,819.24	494,635.40	10,759.58
Poplar.....	2,049.84	174,236.40	2,254.82
Total	190,980.69	16,233,358.65	643,712.55

Pulpwood Peeled

Jack Pine.....	805.46	80,546.00	1,973.38
Spruce.....	7,425.50	742,550.00	25,246.71
Poplar.....	3,150.64	315,064.00	2,829.26
Total	11,381.60	1,138,160.00	30,049.35

Fuelwood

Conifers.....	619.50	52,657.50	309.75
Total	619.50	52,657.50	309.75
Total Cordage	202,981.79	17,424,176.15	674,071.65

Logs, Long Timbers Pulp Logs, Cu. Ft.

Jack Pine.....	22,438.27	22,438.27	879.36
Spruce.....	5,227,512.96	5,227,512.96	203,339.76
Balsam.....	655,618.91	665,618.91	13,893.82
White Birch.....	7,796.86	7,796.86	92.68
Poplar.....	56,843.89	56,843.89	670.01
Total	1,709,060	5,970,210.89	218,875.63

Sawlogs, Cu. Ft.

Jack Pine.....	285,936	1,617,839.83	42,874.69
Spruce.....	1,865,859	8,371,615.23	296,462.37
Balsam.....	98,727	426,030.16	14,688.02
Cedar.....	223	1,422.57	56.90
Tamarack.....	1,554	7,497.34	275.26
White Birch.....	1,188	11,448.98	201.62
Poplar.....	12,795	154,363.64	2,802.75
Total	2,266,282	10,590,217.75	357,361.61

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

KAPUSEASING Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Veneer Logs, Cu. Ft.					
	White Birch.....	24,359	120,178.78	120,178.78	2,850.25
	Poplar.....	140,062	1,088,514.26	1,088,514.26	18,404.38
Total		164,421	1,208,693.04	1,208,693.04	21,254.63
Long Timber Cu. Ft.					
	Spruce.....	216	12,232.14	12,232.14	685.73
Total		216	12,232.14	12,232.14	685.73
Total Logs. Long Timbers					
		4,139,979	17,781,353.82	17,781,353.82	598,177.60
Tree Length Materiala					
	Jack Pine.....	31,913	536,387.22 Cu. Ft.	536,387.22	7,881.17
	Spruce.....	1,659,810	10,763,929.91	10,763,899.91	392,461.28
	Balsam.....	148,078	776,498.88	773,409.88	16,579.56
Total		1,839,801	12,076,816.01	12,073,697.01	416,922.01
Miscellaneous Posts, Lin. Ft.					
	Cedar.....		4,399.00	879.80	43.99
Total			4,399.00	879.80	43.99
Grand Total		5,979,780	---	47,280,106.78	1,689,215.25
Number of District Cutting Licences issued and included in above - 150					\$45,718.91

KEMPTVILLE

Cordage				
Pulpwood Rough				
	Balsam.....	139.01	11,815.85	104.25
	Hardwoods.....	2.00	170.00	4.00
Total		141.01	11,985.85	108.25

Fuelwood				
	Hardwoods.....	210.66	17,906.10	493.44
Total		210.66	17,906.10	493.44
Total Cordage		351.67	29,891.95	601.69

Logs, Long Timbers				
	Red Pine.....	20.00	20.00	4.00
Total		20.00	20.00	4.00

Sawlogs, MBM				
	White Pine.....	213.13	39,835.03	3,197.03
	Red Pine.....	1.32	245.79	19.72
	Spruce.....	9.74	1,630.23	144.12
	Hemlock.....	9.36	1,659.25	60.99
	Balsam.....	3.96	689.47	41.14
	Cedar.....	2.08	388.60	12.48
	Maple.....	68.76	12,728.36	893.85
	Yellow Birch.....	3.88	712.54	59.13
	White Birch.....	22.80	4,188.19	142.48
	Oak.....	104.26	18,689.51	1,502.45
	Beech.....	16.63	3,108.04	99.77
	Ash.....	99	665.77	35.29
	Elm.....	38.29	7,120.04	382.05
	Basswood.....	57.67	10,624.23	877.42
	Butternut.....	2.49	464.86	24.87
	Cherry.....	.14	25.42	1.36
	Poplar.....	57.76	10,759.12	346.58
Total		615.89	113,534.45	7,840.73
Grand Total		987.56	143,446.40	8,446.42

Number of District Cutting Licenses issued and included in above - 10 \$7,933.03

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

KENORA

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	Jack Pine.....		56,835.49	4,831,016.65	148,376.18
	Spruce.....		51,253.48	4,356,545.80	205,564.02
	Balsam.....		1,380.10	117,308.50	2,445.47
	White Birch.....		617.99	52,529.15	370.80
	Poplar.....		7,408.64	629,734.40	6,335.20
Total			117,495.70	9,987,134.50	363,091.67
Fuelwood	Conifers.....		47.00	3,995.00	47.00
	Hardwoods.....		78.00	6,630.00	78.00
Total			125.00	10,625.00	125.00
Total Cordage			117,620.70	9,997,759.50	363,216.67
Logs, Long Timbers Pulp Logs, Cu. Ft.	Jack Pine.....	1,407,160	5,158,416.20	5,158,416.20	127,524.64
	Spruce.....	1,349,080	3,989,086.80	3,989,086.80	139,038.35
	Balsam.....	2,040	12,265.20	12,265.20	300.82
Total		2,758,280	9,159,768.20	9,159,768.20	266,863.81
Sawlogs, Cu. Ft.	White Pine.....	16,816	164,153.22	164,153.22	14,115.67
	Red Pine.....	23,355	145,648.47	145,648.47	12,046.36
	Jack Pine.....	94,481	485,117.89	485,117.89	15,562.49
	Spruce.....	19,716	153,574.30	153,574.30	7,638.84
	Balsam.....		1,660.00	1,660.00	33.20
	Cedar.....	810	10,830.81	10,830.81	432.31
	White Birch.....		3,618.00	3,618.00	43.42
	Ash.....		2,125.00	2,125.00	25.50
	Poplar.....	20,133	130,540.04	130,540.04	1,223.59
Total		175,311	1,097,267.73	1,097,267.73	51,121.38

KENORA Cont'd.

Long Timber, Cu. Ft.

White Pine.....	35	1,425.29	1,425.29	138.14
Red Pine.....	263	6,778.16	6,778.16	795.10
Jack Pine.....	1,788	6,402.17	6,402.17	352.08
Spruce.....	478	14,178.60	14,178.60	1,055.84
Cedar.....	70	806.54	806.54	49.83
Total	2,634	29,590.76	29,590.76	2,390.99

Sawlogs, MBM

Jack Pine.....	2.00	373.83	373.83	30.00
Total	2.00	373.83	373.83	30.00
Total Logs, Long Timbers	2,936,225	10,286,628.69	10,287,000.52	320,406.18

Tree Length Material

Jack Pine.....	262,804	3,444,677.22	3,444,677.22	85,399.50
Spruce.....	758,141	6,618,754.36	6,618,754.36	221,764.52
Balsam.....	634	8,320.45	8,320.45	138.31
Total	1,021,579	10,071,752.03	10,071,752.03	307,302.33

Miscellaneous Posts, Lin. Ft.

Jack Pine.....	820	5,740.00	1,148.00	86.10
Cedar.....	2,247	18,044.00	3,608.80	244.94
Total	3,067	23,784.00	4,756.80	331.04
Grand Total	3,960,871	---	30,361,268.85	991,256.22

Number of District Cutting Licences issued and included in above - 164

\$95,354.78

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

LAKE SIMCOE

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage					
Pulpwood Rough	Hardwoods.....		11.90	1,011.50	17.85
Total			11.90	1,011.50	17.85
Total Cordage			11.90	1,011.50	17.85
Logs, Long Timbers Sawlogs, Cu. Ft.					
	White Pine.....	190	190.00	190.00	24.13
	Red Pine.....	322	322.00	322.00	40.89
	Pine.....	102	102.00	102.00	12.95
	Spruce.....	2,136	2,136.00	2,136.00	272.03
Total		2,750	2,750.00	2,750.00	350.00
Sawlogs, MBM					
	White Pine.....	22	2.51	468.60	70.40
	Red Pine.....	02	.08	14.77	2.55
	Oak.....		.07	13.64	1.46
Total		24	2.66	497.01	74.41
Total Logs, Long Timbers		--	2,752.66	3,247.01	424.41
Grand Total		2,774	--	4,258.51	442.26

Number of District Cutting Licences issued and included in above - 06

\$442.26

LINDSAY

Cordage
Fuelwood

Conifers.....	9.67	821.95	7.26
Hardwoods.....	166.00	14,110.00	126.50
Total	175.67	14,931.95	133.76
Total Cordage	175.67	14,931.95	133.76

Logs, Long Timbers
Long Timbers

White Pine.....	32	996.58	86.05
Red Pine.....	12	59.60	3.58
Spruce.....	11	291.48	31.10
Hemlock.....	10	267.05	21.81
Balsam.....	106	489.85	29.60
Total	171	2,104.56	172.14

Sawlogs, MBM

White Pine.....	12,503	841.97	10,870.19
Red Pine.....	122	1,241.86	97.87
Spruce.....	3,258	157.12	2,147.97
Hemlock.....	5,093	323.20	2,638.15
Balsam.....	1,417	43.36	50,666.42
Cedar.....	515	13.06	7,857.51
Tamarack.....	15	0.42	2,409.02
Maple.....	20,800	1,498.75	77.76
Yellow Birch.....	3,252	256.33	19,227.75
White Birch.....	1,353	51.83	38,199.67
Oak.....	3,566	192.94	9,036.38
Beech.....	1,757	112.00	29,097.81
Ash.....	897	41.01	17,804.78
Elm.....	740	59.88	7,138.10
Basswood.....	3,405	168.56	10,092.03
Cherry.....	61	2.40	29,150.57
Poplar.....	9,172	436.36	406.56
Total	67,926	4,205.90	77,006.03
Total Logs, Long Timbers	68,097	6,310.46	698,747.07
			48,935.65
			48,107.79

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

LINDSAY Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Miscellaneous Posts Lin. Ft.					
	Cedar.....	15	120.00	24.00	1.80
Other	Hardwoods.....		194.00	16,490.00	128.00
Total		15	314.00	16,514.00	129.80
Grand Total		68,112	--	732,297.58	48,371.35
Number of District Cutting Licences issued and included in above - 40					
					\$25,433.38

NORTH BAY

Cordage
Pulpwood Rough

White Pine.....	1,301.76	110,649.60	3,082.56
Red Pine.....	98.19	8,346.15	227.83
Jack Pine.....	97.08	8,251.80	232.96
Pine-All.....	33.27	2,827.95	46.57
Spruce.....	1,675.31	142,401.35	5,558.35
Hemlock.....	11.75	998.75	17.63
Balsam.....	611.32	51,962.20	1,317.63
Cedar.....	33.50	2,847.50	50.24
Tamarack.....	6.54	555.90	10.02
Conifers.....	.03	2.55	.05
Maple.....	63.76	5,419.60	63.13
White Birch.....	1,361.18	115,700.30	1,723.16
Oak.....	.30	25.50	.48
Ash.....	.09	7.65	.14
Elm.....	4.54	394.40	7.18
Poplar.....	13,880.79	1,179,867.15	13,101.86
Hardwoods.....	34,380.69	2,922,358.65	33,162.54
Total	53,560.20	4,552,617.00	58,602.32

Fuelwood

Hardwoods.....	459.00	39,015.00	459.00
Total	459.00	39,015.00	459.00
Total Cordage	54,019.20	4,591,632.00	59,061.32

Logs, Long Timbers
Pulp Logs, Cu. Ft.

White Pine.....	62,800	329,046.40	5,429.27
Red Pine.....	1,280	3,519.40	58.08
Jack Pine.....	1,220	2,394.40	56.27
Spruce.....	41,100	93,579.80	3,359.50
Balsam.....	5,840	9,874.00	174.78
Total	112,240	438,414.00	9,077.90

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

NORTH BAY Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, Cu. Ft.	White Pine.....	30	8,696.15	8,696.15	293.60
	Red Pine.....	14	10,067.88	10,067.88	339.28
	Jack Pine.....	16,559	63,312.47	63,312.47	1,990.70
	Spruce.....	27,131	192,053.53	192,053.53	7,544.17
	Hemlock.....		258.33	258.33	4.26
	Balsam.....	20	13,307.52	13,307.52	222.27
	Cedar.....		2,433.60	2,433.60	40.16
	Maple.....		6,095.51	6,095.51	36.58
	Yellow Birch.....	287	5,655.32	5,655.32	30.33
	White Birch.....	221	5,530.64	5,530.64	33.19
	Oak.....		409.92	409.92	2.46
	Ash.....		926.60	926.60	5.56
	Elm.....		2,067.22	2,067.22	12.41
	Cherry.....		1,646.96	1,646.96	9.88
	Poplar.....	11,819	167,740.89	167,740.89	1,430.97
	Total	56,081	479,602.54	479,602.54	11,995.82
Long Timbers, Cu. Ft.	White Pine.....	222	3,691.05	3,691.05	319.15
	Red Pine.....	489	11,412.71	11,412.71	932.15
	Jack Pine.....	3,126	75,412.00	75,412.00	2,446.77
	Spruce.....	16,535	44,242.24	44,242.24	2,971.47
	Hemlock.....	22	464.97	464.97	36.66
	Balsam.....	92	268.00	268.00	12.01
	Cedar.....	239	1,540.00	1,540.00	61.61
	Tamarack.....	41	62.00	62.00	3.08
	Conifers.....	123	2,604.52	2,604.52	199.04
	Total	20,889	139,697.49	139,697.49	6,981.94

NORTH BAY Cont'd.

Sawlogs, MBM

White Pine.....	360,389	33,460.53	4,832,927.37	364,581.58
Red Pine.....	148,991	9,704.80	1,443,591.24	100,796.60
Jack Pine.....	1,541	82.29	15,161.00	736.99
Spruce.....	39,455	2,576.72	405,639.03	21,741.01
Hemlock.....	1,879	147.15	21,546.74	2,701.73
Balsam.....	796	289.78	53,925.68	2,056.60
Cedar.....	114	94.10	17,589.57	565.40
Tamarack.....	45,060	3.29	544.30	16.60
Maple.....	71,305	3,212.93	475,459.25	23,514.88
Yellow Birch.....	8,951	4,018.50	589,629.16	34,278.24
White Birch.....	1,725	541.06	84,072.05	5,078.33
Oak.....	61	116.35	16,997.23	819.24
Beech.....	149	2.84	531.03	14.21
Ash.....	2,394	12.05	1,908.59	82.02
Elm.....	61	247.82	34,159.16	1,541.84
Basswood.....	1,093	2.13	398.69	21.33
Cherry.....	3,772	62.51	9,333.46	382.41
Poplar.....		264.44	40,919.37	1,296.90
Total	687,736	54,833.29	8,044,332.92	578,225.91
Total Logs, Long Timbers	876,946	1,112,547.32	9,102,046.95	606,281.57
Tree Length Material				
Jack Pine.....	54,704	745,501.35 Cu. Ft.	745,501.35	18,637.53
Spruce.....	8,390	95,907.15	95,907.15	3,548.57
Total	63,094	841,408.50	841,408.50	22,186.10
Miscellaneous Posts, Lin. Ft.				
Cedar.....	2,748	24,184.00	5,957.60	455.68
Total	2,748	24,184.00	5,957.60	455.68
Grand Total	942,788	---	14,541,045.05	687,984.67
Number of District Cutting Licences issued and included in above - 159				\$47,369.01

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

PARRY SOUND

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		438.26	37,252.10	1,233.92
	Red Pine.....		1.50	127.50	4.13
	Jack Pine.....		130.28	11,073.80	358.28
	Spruce.....		111.20	9,367.00	330.60
	Balsam.....		152.26	12,942.10	305.24
	Conifers.....		268.92	22,858.20	376.49
	Maple.....		46.55	3,956.75	46.55
	White Birch.....		293.98	24,988.30	293.98
	Cherry.....		5.00	425.00	5.00
	Poplar.....		513.52	43,649.20	513.52
	Hardwoods.....		205.96	17,506.60	288.34
	Total		2,166.43	184,146.55	3,756.05
Fuelwood					
	Hardwoods.....		430.00	36,550.00	430.00
Total			430.00	36,550.00	430.00
Total Cordage			2,596.43	220,696.55	4,186.05
Logs, Long Timbers Sawlogs, Cu. Ft.	White Pine.....	6,724	64,372.93	64,372.93	5,646.62
	Red Pine.....	3,261	18,009.01	18,009.01	1,440.71
	Jack Pine.....	2,837	10,678.21	10,678.21	480.53
	Spruces.....	266	2,826.36	2,826.36	162.25
	Hemlock.....	55	1,030.56	1,030.56	30.92
	Balsam.....	100	1,400.00	1,400.00	42.00
	Cedar.....	191	2,253.40	2,253.40	67.60
	Total	13,434	100,570.47	100,570.47	7,870.63

PARRY SOUND Cont'd.

Long Timber Cu. Ft.

White Pine.....	144	3,697.63	3,697.63	379.89
Red Pine.....	24	387.08	387.08	35.63
Spruce.....	07	107.56	107.56	8.16
Hemlock.....	50	1,318.04	1,318.04	69.47
Cedar.....	05	71.47	71.47	3.04
Total	230	5,581.78	5,581.78	496.19

Sawlogs, MBM

White Pine.....	20,280	1,714.58	265,451.98	26,417.72
Red Pine.....	3,613	235.78	36,407.40	3,439.40
Spruce.....	10,055	648.64	98,740.40	7,180.08
Hemlock.....	1,811	144.86	21,854.78	711.15
Balsam.....	99	3.25	589.91	25.26
Maple.....	118,432	9,384.22	1,390,870.31	99,064.46
Yellow Birch.....	60,697	5,124.02	740,032.68	104,098.63
White Birch.....	1,521	100.75	15,526.71	445.00
Oak.....	957	97.93	15,156.15	815.10
Beech.....	3,377	287.15	41,523.03	1,214.10
Ash.....	625	42.28	6,440.36	370.83
Elm.....	4,367	424.35	65,819.52	3,415.96
Basswood.....	6,059	403.45	65,282.71	4,668.49
Cherry.....	747	48.16	7,130.72	338.33
Poplar.....	554	36.94	5,832.60	179.68
Total	233,194	18,696.81	2,776,659.26	252,384.19

Total Logs, Long Timbers

	246,858	124,849.06	2,882,811.51	260,751.01
--	---------	------------	--------------	------------

Miscellaneous
Posts, Lin. Ft.

Cedar.....	495	3,960.00	792.00	79.20
------------	-----	----------	--------	-------

Poker Poles

Hardwood.....	495	1,759.36	149,545.60	2,381.99
---------------	-----	----------	------------	----------

Total

	495	5,719.36	150,337.60	2,461.19
--	-----	----------	------------	----------

Grand Total

	247,353	---	3,253,845.66	267,398.25
--	---------	-----	--------------	------------

Number of District Cutting Licences issued and included in above - 140

				\$30,410.74
--	--	--	--	-------------

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

PEMBROKE

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		21.36	1,815.60	31.87
	Red Pine.....		5.90	501.50	8.85
	Jack Pine.....		454.53	38,635.05	909.06
	Spruce.....		438.56	37,277.60	1,351.50
	Hemlock.....		40.76	3,464.60	61.14
	Balsam.....		222.52	18,914.20	482.17
	Conifers.....		548.45	46,618.25	822.64
	White Birch.....		456.58	38,809.30	440.48
	Poplar.....		2,281.93	193,964.05	2,249.10
	Hardwoods.....		2,463.99	209,439.15	2,204.26
Total			6,934.58	589,439.30	8,561.07
Pulpwood Peeled	Poplar.....		164.88	16,488.00	98.93
	Total		164.88	16,488.00	98.93
Fuelwood					
Total	Hardwoods.....		200.00	17,000.00	100.00
	Total		200.00	17,000.00	100.00
	Total Cordage		7,299.46	622,927.30	8,760.00
Logs, Long Timbers Pulp Logs, Cu. Ft.	White Pine.....	73,895	148,619.51	148,619.51	2,452.31
	Spruce.....	61,674	110,841.59	110,841.59	4,152.40
	Hemlock.....	4,940	36,032.31	36,032.31	594.54
	Balsam.....	48,078	61,632.95	61,632.95	1,619.46
	Conifers.....	53,151	104,719.52	104,719.52	1,757.83
	Total	241,738	461,845.88	461,845.88	10,576.54

PEMBROKE Cont'd.

Long Timbers

White Pine.....	04	385.01	385.01	46.20
Red Pine.....	22,324	541,059.01	541,059.01	63,218.41
Jack Pine.....	97	16,592.18	16,592.18	1,946.19
Spruce.....	08	148.83	148.83	12.95
Hemlock.....	230	7,383.38	7,383.38	414.93
Cedar.....	09	185.35	185.35	16.82
Conifers.....	126	3,464.58	3,464.58	355.36
Total	23,698	569,218.34	569,218.34	66,010.86

Sawlogs, MEM

White Pine.....	305,067	19,130.58	2,844,030.76	228,150.30
Red Pine.....	79,941	4,042.86	617,666.38	44,649.82
Jack Pine.....	26,792	738.26	125,076.42	6,750.98
Spruce.....	57,021	2,980.62	452,584.82	25,818.39
Hemlock.....	140,589	9,640.48	1,416,503.31	40,081.14
Balsam.....	1,844	48.02	8,428.25	442.55
Cedar.....	323	9.87	1,666.41	42.32
Tamarack.....	23	.84	131.16	3.51
Maple.....	108,119	8,682.81	1,251,314.31	55,239.87
Yellow Birch.....	84,742	7,096.34	1,008,018.79	90,712.41
White Birch.....	38,084	1,893.80	287,118.48	7,325.08
Oak.....	12,121	647.53	97,438.05	4,825.29
Beech.....	4,756	296.52	43,928.11	1,012.41
Ash.....	734	47.75	6,985.44	352.52
Elm.....	562	66.16	9,221.90	431.00
Basswood.....	11,970	664.72	98,566.28	5,348.38
Cherry.....	100	7.29	1,048.78	44.79
Poplar.....	73,237	3,779.84	583,511.75	10,906.62
Total	946,025	59,774.29	8,853,239.40	522,137.36
Total Logs, Long Timbers	1,211,461	1,090,838.51	9,884,303.62	598,724.76

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

PEMBROKE Cont'd.					
Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Weight Measure	Hardwoods.....		3,860,134.60	6,461,195.74	39,105.54
Total Weight Measure			3,860,134.60	6,461,195.74	39,105.54
Miscellaneous Posts, Lin. Ft.	Cedar.....	84	6.72	134.40	.07
Total		84	6.72	134.40	.07
Grand Total		1,211,545	--	16,968,561.06	646,590.37
Number of District Cutting Licences issued and included in above - 62					\$14,850.98

SAULT STE. MARIE

Cordage
Pulpwood Rough

White Pine.....	737.90	62,721.50	2,004.47
Red Pine.....	3,576.07	303,965.95	8,961.50
Jack Pine.....	2,731.23	232,154.55	6,830.75
Spruce.....	17,473.34	1,485,233.90	50,750.74
Hemlock.....	4,334.14	368,401.90	6,529.63
Balsam.....	6,435.68	547,032.80	9,183.07
Cedar.....	1.63	138.55	2.44
Tamarack.....	3.56	302.60	5.34
Conifers.....	6.50	552.50	9.75
Maple.....	9.29	789.65	9.29
Yellow Birch.....	1.50	127.50	1.50
White Birch.....	18.38	1,562.30	18.38
Oak.....	2.70	229.50	2.70
Poplar.....	255.68	21,732.80	270.25
Hardwoods.....	2,446.40	207,944.00	2,446.40
Total	38,034.00	3,232,890.00	87,126.21

Fuelwood

Conifers.....	10.00	850.00	10.00
Hardwoods.....	400.00	34,000.00	400.00
Total	410.00	34,850.00	410.00
Total Cordage	38,444.00	3,267,740.00	87,536.21

Logs; Long Timbers
Pulp Logs

White Pine.....	270.00	270.00	21.60
Red Pine.....	628.00	628.00	50.24
Jack Pine.....	9.00	9.00	.54
Spruce.....	42.00	42.00	2.52
Hemlock.....	420.97	420.97	7.41
Balsam.....	85.00	85.00	3.40
Cedar.....	25.00	25.00	1.00
Hardwoods.....	1,037.00	1,037.00	31.11
Total	2,516.97	2,516.97	117.82

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

SAULT STE. MARIE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, Cu. Ft.	White Pine.....	07	32.80	32.80	5.00
	Red Pine.....	909	16,772.83	16,772.83	1,341.82
	Jack Pine.....	710	5,394.21	5,394.21	323.65
	Spruce.....	3,169	9,528.52	9,528.52	571.71
	Balsam.....	88	321.61	321.61	12.86
	Cedar.....	783	3,884.04	3,884.04	155.36
	White Birch.....	39	237.98	237.98	19.04
	Poplar.....	88	666.46	666.46	19.99
	Total	5,793	36,838.45	36,838.45	2,449.43
Long Timber Cu. Ft.	Spruce.....	70	1,230.15	1,230.15	68.47
	Hemlock.....	369	9,839.29	9,839.29	522.29
	Total	439	11,069.44	11,069.44	590.76
Sawlogs, MBM	White Pine.....	42,316	5,730.96	798,840.43	64,517.51
	Red Pine.....	2,233	168.96	26,420.26	2,216.82
	Jack Pine.....	1,255	42.54	7,949.10	510.49
	White Spruce.....	89	5.78	861.14	66.50
	Spruce.....	16,220	1,096.39	164,192.40	11,631.45
	Hemlock.....	1,773	183.67	28,117.51	972.25
	Balsam.....	64	1.27	223.44	8.83
	Cedar.....	296	10.18	1,729.34	78.18
	Maple.....	90,422	6,013.42	884,406.76	47,245.45
	Yellow Birch.....	177,504	12,806.86	1,828,804.88	186,903.91
	White Birch.....	20,575	1,047.95	154,747.49	7,528.88
	Oak.....	2,138	230.89	33,277.98	2,008.23
	Ash.....	29	2.75	429.07	23.99
	Elm.....	1,245	120.54	16,952.71	1,005.95
	Poplar.....	456	33.84	5,225.46	144.28
	Total	356,615	27,496.00	3,982,177.97	324,862.74
	Total Logs, Long Timbers	362,864	77,920.86	4,002,602.83	328,020.75

SAULT STE. MARIE

Weight Measure

Hardwoods.....	733,822.75	1,222,007.63	14,676.45
Total	733,822.75	1,222,007.63	14,676.45
Miscellaneous Posts, Lin. Ft.			
Cedar.....	1,525	3,086.80	60.54
Total	1,525	3,086.80	60.54
Grand Total	364,389	8,495,437.26	430,293.95
Number of District Cutting Licences issued and included in above - 121			
			\$37,450.72

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

SIoux LOOKOUT

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	Jack Pine.....		24,792.92	2,107,398.20	51,157.01
	Spruce.....		91,869.37	7,808,896.45	293,860.45
	Balsam.....		3,077.74	261,607.90	4,658.16
	Tamarack.....		4.18	355.30	8.76
	White Birch.....		319.50	27,157.50	239.62
	Poplar.....		153.84	13,076.40	115.38
	Total		120,217.55	10,218,491.75	350,039.38
Fuelwood	Jack Pine.....		518.15	44,042.75	259.13
	Conifers.....		25.67	2,181.95	12.84
	Hardwoods.....		290.00	24,650.00	145.00
	Total		833.82	70,874.70	416.97
Total Cordage			121,051.37	10,289,366.45	350,456.35
Logs, Long Timbers Pulp Logs	Jack Pine.....	1,883,989	6,494,183.55	6,494,183.55	160,406.30
	Spruce.....	1,401,241	3,741,646.17	3,741,646.17	127,964.49
	Balsam.....	1,761	7,438.00	7,438.00	192.67
	Tamarack.....	2,902	7,597.20	7,597.20	196.82
	Total	3,289,893	10,250,864.92	10,250,864.92	288,760.28
Sawlogs, Cu. Ft.	White Pine.....	81	792.00	792.00	43.56
	Red Pine.....	128	3,644.74	3,644.74	230.28
	Jack Pine.....	16,766	97,962.85	97,962.85	2,995.28
	Spruce.....	45,666	221,609.99	221,609.99	8,878.18
	Balsam.....	21	185.09	185.09	3.70
	Cedar.....	02	39.25	39.25	5.00
	Poplar.....	108	1,160.54	1,160.54	11.60
Total		62,772	325,394.46	325,394.46	12,167.60

STIOUX LOOKOUT

Sawlogs, MEM

White Pine.....	1,379	144.50	20,434.23	1,878.50
Jack Pine.....	37,634	98.42	166,958.38	4,543.94
Spruce.....	64,810	1,736.44	291,621.32	9,898.09
Balsam.....	424	10.70	1,829.25	48.33
Total	103,947	2,878.06	480,843.18	16,368.86
Total Logs, Long Timbers	3,456,612	10,579,137.44	11,057,102.56	317,296.74
Tree Length Material				
Jack Pine.....	841,205	8,427,524.58	8,427,524.58	208,307.48
Spruce.....	2,130,698	11,375,982.35	11,375,976.35	387,720.43
Balsam.....	31,615	213,120.32	213,120.32	3,635.09
Jack Pine.....	33,130	1,941.16	362,833.42	1,941.16
Spruce.....	224,548	10,246.00	1,915,139.34	61,476.00
Balsam.....	29,639	1,181.86	220,907.83	7,091.16
Total	3,290,835	20,029,996.27	22,515,501.84	670,171.32
Grand Total	6,747,447	---	43,861,970.85	1,337,924.41
Number of District Cutting Licences issued and included in above - 92				\$53,366.04

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

SUDBURY

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		1,896.54	161,205.90	5,547.70
	Red Pine.....		727.89	61,870.65	1,487.03
	Jack Pine.....		64,663.33	5,496,383.05	139,185.11
	Spruce.....		2,992.70	254,379.50	9,016.84
	Hemlock.....		850.46	72,289.10	1,627.35
	Balsam.....		858.37	72,961.45	2,149.83
	Maple.....		1,366.65	116,165.25	1,011.95
	Yellow Birch.....		157.27	14,217.95	124.97
	White Birch.....		4,370.69	371,508.65	4,410.91
	Oak.....		18.24	1,550.40	17.43
	Beech.....		30.46	2,589.10	22.85
	Ash.....		6.12	520.20	6.12
	Elm.....		12.63	1,073.55	12.63
	Poplar.....		11,254.96	956,671.60	8,049.97
	Hardwoods.....		859.33	73,043.05	859.33
	Total		90,075.64	7,656,429.40	173,530.02
Fuelwood	Conifers.....		35.00	2,075.00	35.00
	Hardwood.....		480.00	40,800.00	470.00
Total			515.00	43,775.00	505.00
Total Cordage			90,590.64	7,700,204.40	174,035.02

SUDBURY Cont'd.

Logs, Long Timbers
Sawlogs, Cu. Ft.

White Pine.....	120,199	1,271,083.60	1,271,083.60	75,053.34
Red Pine.....	96,923	787,246.09	787,246.09	48,810.85
Jack Pine.....	472,381	1,984,543.66	1,984,543.66	70,537.47
Spruce.....	67,690	349,577.02	349,577.02	18,047.43
Hemlock.....	100	1,033.33	1,033.33	41.33
Balsam.....	801	3,076.36	3,076.36	12.04
Cedar.....	822	3,706.79	3,706.79	147.56
White Birch.....	1,580	8,835.27	8,835.27	323.58
Oak.....	08	38.82	38.82	.24
Ash.....	80	1,000.00	1,000.00	50.00
Poplar.....	2,454	21,442.95	21,442.95	603.12
Total	763,038	4,431,583.89	4,431,583.89	213,726.65

Veneer Logs, Cu. Ft.

Yellow Birch.....	49	345.81	345.81	4.15
White Birch.....	306	2,417.09	2,417.09	29.00
Total	355	2,762.90	2,762.90	33.15

Long Timbers, Cu. Ft.

Red Pine.....	658	9,716.01	9,716.01	695.18
Jack Pine.....	78	1,361.01	1,361.01	76.67
Total	736	11,077.02	11,077.02	771.85

Sawlogs, MBM

White Pine.....	6,538	782.04	126,725.64	9,663.29
Red Pine.....	79	7.98	1,444.64	112.96
Jack Pine.....	4,999	146.59	24,316.90	586.36
Spruce.....	13,373	483.10	76,941.32	3,381.70
Hemlock.....	5,004	302.13	43,636.73	2,111.91
Maple.....	734	68.51	9,695.94	513.57
Yellow Birch.....	1,322	103.03	14,407.64	1,888.05
White Birch.....	39	2.08	294.21	41.60
Oak.....	139	14.84	2,066.28	148.40
Total	32,227	1,910.30	299,527.30	18,447.84
Total Logs, Long Timber	796,356	4,447,334.11	4,744,951.11	232,979.49

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

SUDBURY Cont'd.					
Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Miscellaneous Post, Lin. Ft.					
	Cedar.....	1,030	9,253.00	1,850.60	185.06
Total		1,030	9,253.00	1,850.60	185.06
Grand Total		797,386	---	12,447,006.11	407,199.57
Number of District Cutting Licences issued and included in above - 235					\$88,589.36

SWASTIKA

Cordage
Pulpwood Rough

Jack Pine	9,323.73	792,517.05	19,108.45
Spruce.....	33,062.06	2,810,275.10	107,315.63
Balsam.....	5,160.45	438,638.25	9,805.97
Tamarack.....	3.22	273.70	6.39
White Birch.....	4.36	370.60	3.27
Poplar.....	16.70	1,419.50	9.14
Total	47,570.52	4,043,494.20	136,248.85

Pulpwood Peeled

Jack Pine.....	37.99	3,229.15	89.28
Spruce.....	643.38	61,934.40	2,464.09
Balsam.....	28.76	2,444.60	64.71
Poplar.....	1,725.01	152,749.45	1,409.00
Total	2,435.14	220,357.60	4,027.08

Veneer Bolts

White Birch.....	39.45	3,353.25	59.17
Poplar.....	87.68	7,452.80	131.52
Total	127.13	10,806.05	190.69

Fuelwood

Conifers.....	196.50	16,702.50	98.25
Hardwoods.....	405.00	34,425.00	202.50
Total	601.50	51,127.50	300.75
Total Cordage	50,734.29	4,325,785.35	140,767.37

Logs, Long Timbers
Pulp Logs,

Spruce.....	192,414	548,931.59	20,085.93
Balsam.....	230,654	740,483.58	13,445.47
Tamarack.....	25	61.26	1.01
Total	423,093	1,289,476.43	33,532.41

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

SWASTIKA Cont 'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, Cu. Ft.	Jack Pine.....	533,264	1,213,491.39	1,213,491.39	55,851.08
	Spruce.....	194,721	1,213,521.33	1,213,521.33	50,401.28
	Balsam.....	152,364	672,338.33	672,338.33	13,524.09
	Tamarack.....	05	19.12	19.12	.31
	Yellow Birch.....	1,187	7,732.64	7,732.64	55.69
	White Birch.....	39,301	224,665.00	224,665.00	3,299.77
	Ash.....	1,601	8,617.24	8,617.24	51.69
	Poplar.....	266,400	1,664,218.13	1,664,218.13	22,037.11
	Total	1,188,843	5,004,603.18	5,004,603.18	145,215.02
Long Timbers Cu. Ft.	Jack Pine.....	1,896	30,869.42	30,869.42	2,291.51
	Spruce.....	09	302.11	302.11	24.65
	Total	1,905	31,171.53	31,171.53	2,316.16
Sawlogs, MBM	White Pine.....	991	134.01	19,831.89	1,636.27
	Red Pine.....	260	18.47	3,451.40	276.98
	Total	1,251	152.48	23,283.29	1,913.25
Total Logs, Long Timber		1,615,092	6,325,403.62	6,348,534.43	182,976.84
Tree Length Material	Jack Pine.....	605,895	7,148,264.79	7,148,264.79	206,142.32
	Spruce.....	381,969	2,438,969.43	2,438,969.43	89,112.30
	Balsam.....	20,522	108,322.52	108,322.52	2,098.86
	Total	1,008,386	9,695,556.74	9,695,556.74	297,353.48

SWASTIKA Cont'd.

Miscellaneous
Mining Timber

White Birch	14	37.30	3,170.50	18.65
Jack Pine.....	1,460	2,581.03	2,581.03	60.66
Spruce.....	9,491	16,395.20	16,395.20	621.61
Cedar.....	8,570	69,785.00	13,957.00	689.37
Spruce.....	1,000	---	1,000.00	50.00
Total	20,535	88,798.53	37,103.73	1,440.29
Grand Total	2,644,013	---	20,406,980.25	622,537.98
Number of District Cutting Licences issued and included in above - 188				\$102,721.39

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

THUNDER BAY

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Cordage Pulpwood Rough	White Pine.....		253.75	21,568.75	774.18
	Red Pine.....		7.06	600.10	18.49
	Jack Pine.....		41,523.12	3,529,465.20	98,797.56
	Spruce.....		113,561.37	9,652,716.45	371,540.10
	Balsam.....		5,497.96	467,326.60	11,161.41
	Cedar.....		165.83	14,095.55	331.66
	Tamarack.....		23.44	1,992.40	38.02
	White Birch.....		2,406.36	204,540.60	2,335.12
	Ash.....		2.07	175.95	3.27
	Poplar.....		18,157.68	1,543,402.80	16,617.48
	Total		181,598.64	15,435,884.40	501,617.29
Pulpwood Peeled	White Birch.....		21.68	2,168.00	18.95
	Poplar.....		1,436.74	143,674.00	1,755.23
	Total		1,458.42	145,842.00	1,774.18
Veneer Bolts	Jack Pine.....		46.06	3,915.10	96.73
	Spruce.....		484.22	41,158.70	1,743.19
	White Birch.....		872.42	74,155.70	693.41
	Poplar.....		6,106.37	519,041.45	4,848.87
	Total		7,509.07	638,270.95	7,382.20
Fuel wood	Hardwoods.....		257.00	21,845.00	257.00
	Total		257.00	21,845.00	257.00
	Total Cordage		190,823.13	16,241,842.35	511,030.67

THUNDER BAY Cont'd.

Logs, Long Timbers
Sawlogs, Cu. Ft.

White Pine.....	11,968	215,195.88	215,195.88	11,207.65
Red Pine.....	478	3,797.57	3,797.57	235.27
Jack Pine.....	272,123	1,819,354.33	1,819,354.33	46,915.54
Spruce.....	187,072	1,363,769.88	1,363,769.88	56,400.44
Balsam.....	3,666	22,696.21	22,696.21	586.26
Cedar.....	620	3,408.59	3,408.59	96.64
Tamarack.....	61	581.70	581.70	17.45
White Birch.....	4,495	21,703.83	21,703.83	408.73
Ash.....	12	81.71	81.71	2.67
Poplar.....	14,565	116,403.67	116,403.67	1,368.40
Total	495,060	3,566,993.37	3,566,993.37	117,239.05
Long Timbers				
Jack Pine.....	13	270.75	270.75	15.62
Spruce.....	04	75.39	75.49	4.27
Total	17	346.24	346.24	19.89
Sawlogs, MBM				
White Pine.....	1,582	83.64	12,583.69	1,021.40
Red Pine.....	76	3.54	547.21	35.40
Jack Pine.....	818	27.10	4,071.02	203.29
Spruce.....	294	19.96	2,957.47	159.68
Balsam.....	03	.12	18.85	.84
White Birch.....	23	.90	141.22	1.39
Poplar.....	236	12.74	1,934.22	22.43
Total	3,032	148.00	22,253.68	1,444.43
Total Logs, Long Timbers	498,109	3,567,487.61	3,589,593.29	118,703.37

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

THUNDER BAY Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$	
Tree Length Material	White Pine.....	9,190	355,409.19	355,409.19	13,208.04	
	Red Pine.....	392	11,980.17	11,980.17	435.86	
	Jack Pine.....	962,569	12,336,886.52	12,336,866.52	307,853.05	
	Spruce.....	3,942,609	27,168,212.20	27,168,212.20	1,010,322.15	
	Balsam.....	163,191	1,272,712.14	1,272,712.06	25,355.88	
	Tamarack.....	17	89.81	89.81	1.80	
	Poplar.....	535	11,948.60	11,948.60	71.69	
	Total	5,078,503	41,157,218.63	41,157,218.55	1,357,248.47	
	Grand Total	5,576,612	---	60,988,654.19	1,986,982.51	
	Number of District Cutting Licences issued and included in above - 241					
Tweed	White Pine.....		.18	15.30	.28	
	Pine All.....		87.31	7,421.35	130.96	
	Spruce.....		836.65	71,115.25	2,509.95	
	Hemlock.....		11.25	956.25	16.87	
	Balsam.....		1,326.71	112,260.35	2,628.09	
	Cedar.....		246.35	20,939.75	490.67	
	Tamarack.....		3.55	301.75	5.32	
	Hardwoods.....		14,821.80	1,259,853.15	11,217.90	
	Total		17,327.80	1,472,863.15	17,000.04	
	Pulpwood Peeled	Hardwoods.....		637.87	54,680.65	557.57
Total			637.87	54,680.65	557.57	
Number of District Cutting Licences issued and included in above - 241						

TWEED Cont'd.

Fuelwood	Hardwoods.....	366.73	31,172.05	267.54
Total		366.73	31,172.05	267.54
Total Cordage		18,332.40	1,558,715.85	17,825.15
Logs, Long Timbers Pulp Logs, Cu. Ft.				
Total	Hardwoods.....	1,610	6,662.70	66.61
		1,610	6,662.70	66.61
Sawlogs, Cu. Ft.				
	White Pine.....	199	5,335.11	426.81
	Red Pine.....	55	1,128.17	90.25
	Pine All.....	6,104	22,625.92	746.72
	Spruce.....	215	2,100.89	150.95
	Balsam.....	58	221.33	6.61
	Cedar.....	1,542	1,144.74	40.07
	Maple.....	20	176.94	10.61
	White Birch.....	15	118.97	4.76
	Oak.....	56	618.83	37.13
	Basswood.....	22	153.99	12.31
	Hardwoods.....	34,286	125,715.95	1,282.69
Total		42,572	159,340.84	2,808.91
Long Timber Cu. Ft.				
	White Pine.....	28	364.99	22.08
	Red Pine.....	894	19,372.24	1,316.85
	Spruce.....	01	10.91	.65
	Hemlock.....	66	1,157.81	72.27
	Cedar.....	48	470.10	25.35
	White Birch.....	01	23.97	1.68
	Oak.....	03	56.55	3.39
Total		1,041	21,456.57	1,442.27

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

TWEED Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs, MBM	White Pine.....	121,276	6,664.72	1,086,751.91	m 95,655.30
	Red Pine.....	40,976	1,779.09	287,178.37	25,544.74
	Spruce.....	26,907	1,132.98	191,453.66	16,595.23
	Hemlock.....	22,732	1,057.58	161,746.09	9,845.36
	Balsam.....	6,193	188.38	28,569.30	1,631.13
	Cedar.....	5,509	133.74	23,838.14	903.15
	Tamarack.....	271	8.72	1,618.61	67.58
	Maple.....	84,090	4,782.96	747,791.35	70,904.66
	Yellow Birch.....	7,420	384.71	58,585.47	7,198.38
	White Birch.....	10,954	419.77	72,640.18	3,284.44
	Oak.....	12,152	555.21	95,613.23	6,074.00
	Beech.....	28,417	1,443.71	222,080.32	8,443.96
	Ash.....	2,515	95.32	15,781.43	935.63
	Elm.....	2,274	138.23	23,238.33	1,331.77
	Basswood.....	17,146	714.05	120,421.77	11,039.83
	Cherry.....	78	3.43	559.70	41.73
	Poplar.....	41,397	2,051.42	353,430.74	11,387.30
	Total	430,307	21,524.02	3,491,268.60	270,884.19
	Total Logs, Long Timbers	475,530	208,984.13	3,678,728.71	275,201.98
Weight Measure	Hardwoods.....		287,907.30	479,910.24	4,094.54
	Total		287,907.30	479,910.24	4,094.54
Miscellaneous Posts	Cedar.....		9.22 Cords	783.70	18.44
	Pine All.....	1,690	642.08	2,432.00	6.44
	Cedar.....	9,392	73,293.00	13,362.24	732.93
	Total	11,082	---	16,577.94	757.81
Grand Total		486,612	---	5,733,932.74	297,879.48

Number of District Cutting Licences issued and included in above - 227

\$107,278.05

WHITE RIVER

Cordage
Pulpwood Rough

Jack Pine.....	9,062.19	770,286.15	22,222.21
Spruce.....	45,426.80	3,861,278.00	167,517.10
Balsam.....	13,122.74	1,115,432.90	28,160.87
White Birch.....	721.06	61,290.10	432.85
Poplar.....	3,166.71	269,170.35	1,748.83
Total	71,499.50	6,077,457.50	220,081.86

Fuelwood

Hardwood.....	84.25	7,161.25	84.25
Total	84.25	7,161.25	84.25
Total Cordage	71,583.75	6,084,618.75	220,166.11

Logs, Long Timbers

Jack Pine.....	39,611	204,359.95	6,321.89
Spruce.....		9,226.91	553.60
White Birch.....		14,743.36	430.11
Poplar.....		3,379.34	101.38
Total	39,611	231,709.56	7,426.98

Long Timber

Cedar	129.51	129.51	5.17
Total	129.51	129.51	5.17

Sawlogs, MBM

White Pine.....	706	15,732.40	1,460.31
Red Pine.....		116.82	13.64
Maple.....	8,889	83,144.11	4,338.43
Yellow Birch.....	26,437	273,698.99	27,071.91
White Birch.....	8,099	65,469.97	1,780.80
Total	44,131	438,162.29	34,665.09
Total Logs, Long Timber	83,742	670,001.36	42,097.24

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1969-70

WHITE RIVER Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Tree Length Material					
	Jack Pine.....	645,146	5,084,609.99	5,084,609.99	144,507.83
	Spruce.....	822,349	4,521,065.67	4,521,065.17	156,972.09
Total		1,467,495	9,605,675.66	9,605,675.16	301,479.92
Grand Total		1,551,237	---	16,360,295.27	563,743.27

Number of District Cutting Licences issued and included in above - 35 \$ 9,635.74

TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 5	Total Area Licensed
1956	748	6,140.05	88,273.71	170.26	94,585.02
1957	604	5,600.65	89,952.49	200.94	95,754.08
1958	586	5,354.80	98,149.46	181.33	103,685.59
1959	569	4,520.62	99,612.16	199.90	104,332.68
1960	573	4,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102,888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581	3,102.08	97,830.82	152.36	101,085.26
1964	562	2,556.89	99,679.49	18.20	102,254.58
1965	590	2,564.98	103,347.49	4.90	105,917.37
1966	533	2,466.68	100,362.79	1.20	102,830.67
1967	535	2,006.5	104,269.9	.....	106,276.4
1968	498	1,704.2	104,134.6	74.0	105,912.8
1969	480	1,664.7	101,924.3	74.0	103,663.0
1970	460	1,497.6	98,661.9	115.8	100,275.3

MILLS LICENSED as of March 31st

Year	Saw Mills (Daily Capacity in 000's fbm)			Pulp	Ven- eer	Spec- ialty	Total
	to 10	10-50	50 up				
1955	1,120	159	58	29	..	..	1,366
1956	1,115	162	59	29	..	..	1,365
1957	1,120	160	57	29	..	..	1,366
1958	1,124	158	57	29	..	..	1,368
1959	1,120	135	54	29	..	..	1,338
1960	646	129	23	24	..	..	822
1961	668	121	27	24	..	..	840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26	28	97	1,030
1966	671	117	30	27	30	89	964
1967	655	113	25	26	28	97	944
1968	644	100	28	25	29	96	922
1969	593	101	27	25	29	99	874
1970	596	92	31	24	30	96	869

MANAGEMENT UNITS as of March 31st

Year	Crown	CROWN LAND Company	Total	AGREEMENT FOREST
1954	87	36	123	..
1955	81	36	117	..
1956	82	39	121	..
1957	80	41	121	..
1958	81	43	124	..
1959	77	48	125	..
1960	72	101	173	42
1961	76	79	155	42
1962	78	79	157	42
1963	79	77	156	42
1964	81	75	156	46
1965	81	71	152	59
1966	78	67	145	60
1967	78	66	144	60
1968	77	66	143	60
1969	77	57	134	60
1970	79	57	136	60

AREAS OF MANAGEMENT UNITS in Square Miles

1957	129,551	78,837	208,388	...
1958	125,397	85,034	210,431	...
1959	.....	.....	.....	...
1960	83,295	100,408	183,703	224
1961	83,900	96,983	180,883	230
1962	84,108	99,987	184,095	234
1963	85,216	97,342	182,558	244
1964	.....	.....	.....	245
1965	88,214.7	100,476.4	188,691.1	280.1
1966	89,122.1	97,726.0	186,848.1	315.2
1967	90,665.0	99,342.9	190,007.9	328.8
1968	91,987.0	99,351.0	191,338.0	339.6
1969	93,052.0	93,126.0	186,178.0	350.0
1970	94,644.0	93,613.0	188,257.0	360.0

***PRIMARY GROWING STOCK in 000's Cubic Feet**

Cubic-foot volumes of primary growing stock on productive forest land in Ontario by species and in two size classes.

Species	4"-9" d. b. h.	10" up d. b. h.	Total
White pine.....	759,884	3,136,869	3,896,753
Red pine	262,259	859,182	1,121,441
Jack pine.....	13,637,962	6,486,599	20,124,561
Pitch pine	90	132	222
White spruce.....	2,844,250	5,054,764	7,899,014
Black spruce.....	38,609,370	5,656,094	44,265,464
Balsam fir.....	7,548,699	1,875,756	9,424,455
Hemlock	349,745	1,059,874	1,409,619
White cedar.....	1,413,148	1,605,967	3,019,115
Red cedar.....	1,638	545	2,183
Larch.....	177,764	25,025	202,789
Total Conifers	65,604,809	25,760,807	91,365,616
Sugar maple	1,917,892	4,488,726	6,406,618
Soft maple.....	460,542	405,293	865,535
Yellow birch.....	503,134	3,682,764	4,185,898
Beech.....	183,503	446,277	629,780
Elm	346,282	723,814	1,070,096
Ironwood	172,359	22,294	194,653
Red oak	228,796	240,059	468,855
White oak.....	21,837	34,385	56,222
White birch.....	10,026,642	6,188,709	16,215,351
Poplar	13,709,143	14,373,889	28,083,032
Ash	351,292	268,479	619,771
Basswood.....	102,957	279,049	382,006
Black cherry.....	59,881	28,637	88,518
Butternut.....	1,388	3,601	4,989
Hickory	24,375	15,342	39,717
Other hardwoods	5,024	1,476	6,500
Total Hardwoods ...	28,115,047	31,202,794	59,317,841
TOTAL ALL SPECIES .	93,719,856	56,963,601	150,683,457

*The Forest Resources of Ontario by R.M. Dixon, 1963

***ANNUAL ALLOWABLE CUT in 000's Cubic Feet**

Volumes of the annual allowable cut on productive forest land in Ontario by species and ownership groups.

Species	Crown land	Patented land	Total
White pine.....	32,254	13,737	45,991
Red pine.....	13,871	3,216	17,087
Jack pine.....	413,427	16,332	429,759
Pitch pine .....	.....	6	6
White spruce.....	105,027	12,711	117,738
Black spruce.....	551,794	21,943	573,737
Balsam fir.....	139,345	19,912	159,257
Hemlock	5,031	5,430	10,461
Cedar	15,893	12,687	28,580
Larch.....	2,459	849	3,308
Total Conifers	1,279,101	106,823	1,385,924
Sugar maple	30,476	42,957	73,433
Soft maple.....	1,725	26,825	28,550
Yellow birch.....	37,858	12,534	50,392
Beech.....	1,687	4,611	6,298
Elm	675	16,606	17,281
Ironwood	573	1,984	2,557
Red oak.....	149	4,950	5,099
White oak	6	673	679
White birch.....	263,626	31,863	295,489
Poplar	702,313	140,798	843,111
Ash.....	1,774	6,638	8,412
Basswood	1,489	7,973	9,462
Black cherry.....	115	1,102	1,217
Butternut.....	.....	92	92
Hickory.....	6	729	735
Other hardwoods	1,720	91	1,811
Total Hardwoods ...	1,044,192	300,426	1,344,618
TOTAL ALL SPECIES .	2,323,293	407,249	2,730,542

*The Forest Resources of Ontario by R.M. Dixon, 1963

COMMITTEES

COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm on Pollution
---Special Task Forces
Algonquin Park Task Force
American Fisheries Society
---Time and Place Comm
Atlantic Flyway Council
Canada Fur Council
Canada Land Inventory coordinating Sub-Comm
Canada-Ontario Rideau-Trent-Severn Study
Canadian Fish Farmers Association---Ad hoc Comm
Comm for Selective Management of Shrubs on Roadsides
Coordinating Comm for Studies of Northern Ontario Water Resources
Education Leave Comm
Federal-Provincial Advisory Comm---Resource Development Agreement
Federal-Provincial Comm on Ontario Fisheries
Federal-Provincial Coordinating Comm on Indians
Federal-Provincial Wildlife Conference
---Comm on Polar Bear Management and Research
---Migratory Birds Technical Comm
Freshwater Fisheries Marketing Corporation---Board of Directors
Georgian Bay Fisheries Comm
Great Lakes Deer Group
Interdepartmental Comm on Wildlife Management and Research
(Conjoint Comm---Guelph University, Department of Agriculture, and Department of Lands and Forests)
Interdepartmental Rabies Comm---(Federal and Provincial Departments of Health and Agriculture, and Department of Lands and Forests)
International Association of Game, Fish and Conservation Commissioners
---Executive Comm
---Rare and Endangered Species Comm
---Resolutions Comm
---Migratory Birds Comm
---Spec. Membership Comm
International Great Lakes Fishery Commission
---Executive Comm
---Lake Comms
---Sea Lamprey Control and Research Comm
International Union of Forestry Research Organizations---Section 26
---Recreation and Wildlife---Working Group C: Techniques of Measurement and Inventory
Midwest Fish and Game Comm---Resolutions Comm
Midwest Pheasant Council (Association of Midwest Fish and Game Commissioners)

National Comm on Wildlife Lands
 Non-Resident Use of Crown Land---Study Group
 North American Forestry Commission---Working Group on Wild-
 life and Outdoor Recreation
 North American Moose Group
 Ontario Council of Commercial Fisheries
 Ontario Waterfowl Research Foundation
 ---Scientific Advisory Board
 ---Technical Advisory Comm
 Research Program Comm
 Recreation Liaison Comm
 Tourism and Outdoor Recreation Plan Study
 ---Technical Subcomm
 Wild Rice Management Comm

FOREST PROTECTION BRANCH

Advisory Comm on Pollution Control --- Sub-Comm on
 Pesticides, Herbicides and Fertilizers
 Air Pollution Control Association
 Air Transport Association of Canada
 Canadian Institute of Forestry --- Youth Training, Fire Control
 Canadian Standards Association --- Comm on Fire Hose Couplings
 Conservation Business Management Association
 Entomological Society of Canada
 National Association of Fleet Administration
 National Fire Protection Association --- Forests Comm
 National Research Council --- Associate Comm on Forest Fire
 Protection
 North American Forestry Commission --- Fire Control Working
 Group
 Ontario Forestry Association --- Forest Fire Prevention Comm
 Ontario Professional Foresters Association
 Western Forestry and Conservation Association

LANDS AND SURVEYS BRANCH

Administrative sub-committee on Townsites
 Advisory Committee on Geodesy and Photogrammetry
 Advisory Council on Surveying
 Association of Ontario Land Surveyors --- Member of Council
 Canada Land Inventory Co-ordinating sub-committee
 Canadian Advisory Council on Cadastral Surveys
 Canadian Permanent Committee on Geographical Names
 Co-ordinating Committee on studies of Northern Ontario Water
 Resources (Ontario-Canada)
 Federal and Provincial Government Survey Officials
 Federal-Provincial Rideau-Trent-Severn Study Committee
 International Boundary Commission
 International Great Lakes Levels Board --- shore property
 sub-committee
 International Hydrological Decade
 Interprovincial Boundary Commissions
 Lake of the Woods Control Board
 Mapping Liaison Committee
 National Advisory Committee on Recreational Land Inventory
 Ontario Water Resources Liaison Committee
 Private Lands Liaison Committee
 Public Agricultural Lands Committee
 Resources Transportation Committee, Northern Ontario
 Waterfront Technical Committee (under Metropolitan Toronto).

LAW BRANCH

Fed-Prov Advisory Comm on Resources Management

OPERATIONS BRANCH

American Association for Conservation Information
Canadian Association of Provincial Hunter Training Officers
Canadian Society of Safety Engineering
Conservation Business Management Association
Corporate Communicators
Equipment and Supply Comm
International Association of Game, Fish and Conservation Commissioners
International Rescue and First Aid Association
National News Week (Toronto Men's Press Club)
North-East Fish and Wildlife Association---Information and Education Section
Ontario Government Purchasing Officers Council
Ontario Safety Council
Outdoor Writers of Canada
Purchasing Management Assoc of Canada
Standards and Specifications Comm on Furniture and Furnishings
Uniform Standards and Specifications Comm

PARKS BRANCH

Canada-Ontario Rideau-Trent-Severn Study
Fed-Prov Parks Conference
Federation of Ontario Naturalists
Interdepartmental Master Tourism and Outdoor Recreation Plan Comm
Intergovernmental Comm on Recreation and Wildlife (C.C.R.M.)
Ontario Forestry Assn --- Forest Fires Prevention Comm
Quetico-Superior Joint Advisory Comm
Water Resources Liaison Comm

RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for Harkness Lab. for Fisheries Research
Advisory Comm for Laboratory of Experimental Limnology
Advisory Comm on Wood Sciences --- O.R.F.
American Fisheries Society
American Society of Fisheries Research Biologists
Canada-Ontario Joint Forest Research Comm
Canadian Comm for Freshwater Fisheries Research
Federal-Provincial Comm for Ontario Fisheries
Great Lakes Fishery Commission
--- Scientific Advisory Comm
--- Lake Ontario Comm
--- Lake Erie Comm
--- Lake Huron Comm
--- Lake Superior Comm
--- Sea Lamprey Research and Control Comm
Governors' Five-State Interdisciplinary Comm on Pesticides
Great Lakes Institute, University of Toronto
Interdepartmental Rabies Committee (Provincial Departments of Health, Agriculture and Lands and Forests)
International Association for Great Lakes Research
Interprovincial Fertilization Comm

Interprovincial Forest Fertilization Comm
 Metric System Comm
 Mississippi Flyway (Research Council)
 North American Wildlife Conference
 North Central Division, American Fisheries Society
 Northeast Wildlife Conference
 Northeastern Division, American Fisheries Society
 Ontario Council of Commercial Fishermen
 Ontario Waterfowl Research Foundation --- Scientific Advisory
 Comm

TIMBER BRANCH

American Society of Agricultural Engineers
 American Society of Photogrammetry---Photo Interpretation Comm
 Canada Comm on Forest Tree Breeding
 Canada-Ontario Forestry Research Comm
 ---Jack Pine Management
 ---Silvicultural Equipment
 Canadian Institute of Surveying --- Air Photo Interpretation
 Canadian Inter-Departmental Comm on Resource Satellite
 and Remote Airborne Sensing
 Canadian Pulp and Paper Association --- Forest Management
 International Union of Forest Research Organizations
 ---Afforestation and Stand Treatment Problems on Peatland and
 Extremely Wet Soils
 ---Forest Operations and Techniques
 ---Soil Preparation and Mechanization
 ---Treatment of Young Stands
 ---Use of Herbicides
 Ontario Maple Syrup Producers' Association---Advisory Comm
 Ontario Research Foundation---Wood Science Program
 Photogrammetria---Editorial Comm
 U.N. Food and Agricultural Organization
 ---Forest Equipment Technical Comm

COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning
Chapleau Area Chamber of Commerce - Committee Member
Ontario Professional Foresters Association

COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Lands Comm
Emergency Measures Organization
Mattagami River Valley Conservation Authority
Moosonee Chamber of Commerce
Moosonee Planning Board
Northeastern Ontario Development Association
Porcupine Chamber of Commerce
Search and Rescue Unit

FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning
Quetico Park Advisory Comm
Quetico-Superior International Joint Advisory Comm

GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning
Advisory Comm to the Lakehead School of Forestry
Associate Comm on Forest Protection, N.R.C. - Research Sub-Comm
Canadian Institute of Forestry - Northwestern Ontario Section Council
Geraldton Industrial Development Comm
Geraldton Planning Board
Marathon Conservation School
Ontario Professional Foresters Association-Finance Comm

KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Land Use Comm
Brunetville Rehabilitation Liaison Comm
Industrial Development Comm
Kapuskasing Rod and Gun Club
Planning Boards (Kapuskasing and Hearst)

KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont, Glengarry, Prescott and Russell and Carleton Counties
Cataraqui Region Conservation Authority - Reforestation Advisory Comm
Conservation Council of Stormont, Dundas and Glengarry
Eastern Ontario Development Council
Eastern Ontario Regional Advisory Board
Gananoque Management Comm
Gananoque River Waterway Association
Interprovincial Conservation Council
Mississippi Valley Conservation Authority
Ontario Federation of Agriculture (Leeds, Carleton)

Ontario Federation of Anglers and Hunters - Zone 4
 Ontario Forestry Association - Tree Farm Comms in Glengarry
 and Lanark Counties
 Ottawa Carleton Conservation Centre Inc.
 Raisin River Conservation Authority
 Rideau Valley Conservation Authority
 Reforestation Comm for County Councils of Leeds and Grenville;
 Dundas, Stormont and Glengarry; Prescott and Russell;
 Carleton and Lanark.
 Reforestation Comms for Township Councils of Torbolton,
 Marlborough, Williamsburgh and Cumberland
 Seaway Valley Travel Council
 Soil and Crop Improvement Association --- Land Use Comms for
 Eastern Ontario and for Leeds, Grenville, Glengarry, Russell,
 Stormont and Prescott Counties.
 South Nation Conservation Authority
 St. Lawrence Parks Commission --- Fish and Wildlife Advisory
 Comm.

KENORA DISTRICT

Amik Association --- Advisory Board
 Canadian Institute of Forestry --- Lake of the Woods Section
 Dryden and District Conservation Club
 Dryden High School Conservation Camp --- Advisory Comm.
 Dryden High School Forestry Course --- Advisory Comm.
 Kenora Industrial Development Commission
 Ontario Federation of Anglers and Hunters --- Zone 1
 Ontario Professional Foresters Association
 Recreational Land Use Planning Advisory Comm.

LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board
 Big Creek Conservation Authority -
 --- Fish & Wildlife Advisory Board
 --- Forestry Advisory Board
 Catfish Creek Conservation Authority --- Forestry Advisory
 Board
 Grand Valley Conservation Authority --- Reforestation Comm.
 Great Lakes Fishery Commission --- Research and Management
 Comm, Lake Erie Research and Management Comm
 Haldimand Agricultural Committee
 Kettle Creek Conservation Authority --- Forestry Advisory Board
 Lake Erie Fisheries Research Advisory Comm
 Lake Erie Regional Advisory Board
 Lake St. Clair Regional Advisory Board
 Lincoln County Reforestation Comm
 Lower Thames River Conservation Authority --- Forestry
 Advisory Board
 Middlesex County Forestry Comm
 Niagara Peninsula Conservation Authority --- Reforestation Comm
 Niagara Regional Advisory Board
 Norfolk County Reforestation Comm
 Ontario Professional Foresters Association --- Private Land
 Forestry Comm
 Sydenham Valley Conservation Authority --- Forestry Advisory
 Board

LAKE HURON DISTRICT

Advisory Comm for Lake Huron Fisheries Research
Ausable Valley Conservation Authority
Big Creek Conservation Authority
Bruce County Outdoor Education Comm
Bruce Trail Assoc
Bruce Peninsula Planning Board
Bruce Peninsula Resort Assoc
Camp Oliver (Department of Reform Institutions)
Canadian Fish Farmers Assoc
Canadian Institute of Forestry --- Southern Ontario Section
Council
Canadian Society of Fishery and Wildlife Biologists
East Luther Twp Planning Comm
Georgian Bay Regional Advisory Board
Grand River Conservation Authority
Guelph University Chapter - Wildlife Society
Hamilton Region Conservation Authority
Huron County Planning Board
Huron County Trappers Assoc
Huron District Woodlot Association
Midwestern Ontario Regional Advisory Board
Maitland Conservation Authority
North Grey Conservation Authority
Ontario Council Commercial Fisheries
Ontario Federation of Anglers and Hunters - Zone 6
Ontario Professional Foresters Assoc
Otter Creek Conservation Authority
Oxford County Planning Board
Forestry Comms of County Councils in Grey, Bruce, Huron,
Oxford, Perth, Waterloo, Wellington, Wentworth, Brant and
Halton Counties
Sauble Conservation Authority
Saugeen Conservation Authority
Upper Thames Conservation Authority
Waterloo Area County Planning Board --- Environmental
Advisory Comm

LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
Bruce Trail Assoc
Central Lake Ontario Conservation Authority --- Land Use, Water
Control and Reforestation Advisory Board
Central Ontario Regional Development Advisory Board
Credit Valley Conservation Authority --- Reforestation and Land
Use Advisory Board
Essa Township Conservation Comm
Georgian Bay Regional Development Council --- Land Use, Con-
servation
Grand Valley Conservation Authority --- Land Use, Reforestation,
Conservation
Holland Valley Conservation Authority --- Land Use, Conservation
of land, water and wildlife
Inter-departmental Comm on Maple Syrup
Lake Simcoe and District Maple Syrup Producers' Association
Metropolitan Toronto and Region Conservation Authority ---
Reforestation and Land Use Advisory Board
Nottawasaga Valley Conservation Authority --- Land Use, Water
Control and Conservation

Reforestation Comms of County Councils in Simcoe, Dufferin,
York and Ontario Counties
Shore Facilities Sub-Committee of the Advisory Committee on
Control of Pollution from Pleasure Craft

LINDSAY DISTRICT

Central Lake Ontario Conservation Authority --- Land Use, Water
Control and Reforestation Advisory Board
Crowe River Water Management Comm
Durham and Northumberland Counties --- Reforestation Comm
Ganaraska Region Conservation Authority --- Forestry Advisory
Board
Lake Ontario Regional Advisory Board
Ontario Maple Syrup Producers' Assoc
Otonabee Region Conservation Authority --- Reforestation and
Land Use Advisory Board; Wildlife Advisory Board
Victoria County --- Reforestation and Soil Conservation Comm;
ARDA Comm
Peterson Trail Conservation Assoc
Sir Sanford Fleming College --- Advisory Council

NORTH BAY DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Lands Comm
Canadian Institute of Forestry
City of North Bay, Department of Parks and Recreation
Northeastern Ontario Regional Development Council
Task Force on Water Control on French River, Lake Nipissing,
Sturgeon River System

PARRY SOUND DISTRICT

Agricultural Land Use Comm
Federation of Ontario Naturalists --- Jr. Naturalist Bulletin
Muskoka, Parry Sound and Nipissing Maple Syrup Producers'
Assn
North Georgian Bay Advisory Comm
Parry Sound Anglers and Hunters Association
Peterson Trail Conservation Association
Recreational Land Use Planning Comm (Parry Sound and Muskoka)
Regional Development Board, Ont. Regional Development
Program

PEMBROKE DISTRICT

Advisory Committee on Recreational Land Use Planning
Algonquin College Advisory Comm, Upper Ottawa Valley Campers
Algonquin Park Task Force
County of Renfrew Conservation Comm
Renfrew County ARDA Advisory Comm

SAULT STE. MARIE DISTRICT

Algoma Recreational Development Council
Agricultural Comm
Agricultural Resources Development Assoc
Canadian Institute of Forestry
Forest Products Accident Prevention Assoc --- Area Comms
4-H Club

Municipal Recreation Boards
Ontario Professional Foresters Assoc --- Council
Recreational Land Use Planning Comm
Sault Ste. Marie Chamber of Commerce Tourist Comm
Sawmilling Industries Comm
Y.M.C.A. Canoe Tripping Comm

SIOUX LOOKOUT DISTRICT

Agricultural Lands Comm
Association of Natural Resource Technicians (Ontario)
Canadian Institute of Forestry, Lake of the Woods Section
Co-ordinating Comm on Studies of Northern Ontario Water
Resources
Ontario Professional Foresters Association
Recreational Land Use Planning Comm
Search and Rescue Unit
Sioux Lookout Evacuation Plans
Sioux Lookout Resource Rangers

SUDBURY DISTRICT

Manitoulin Island Conservation Advisory Comm
Natural Resources Technology Curriculum Comm
Recreational Land Use Planning Comm

SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Comm
Kirkland Lake Chamber of Commerce --- Member
Search and Rescue Unit

THUNDER BAY DISTRICT

Lakehead Campers Assoc
Lakehead Conservation Authority
Lakehead University --- Forestry Comm
Northwestern Ontario Timber Operators Assoc
Private Lands Liaison Comm
Quetico-Superior Joint Advisory Comm
Recreational Land Use Planning Comm
Shebandowan Campers Assoc
Thunder Bay Field Naturalist Club
Thunder Bay Fish and Game Assoc.

TWEED DISTRICT

Cataraqui Region Conservation Authority --- Environmental
Sciences Advisory Board
Crowe Valley Conservation Authority --- Water Control
Joint Commercial and Sport Fish Comm for the Bay of Quinte
Moir River Conservation Authority --- Wildlife Advisory Board
Napanee River Conservation Authority --- Forestry Advisory
Board
Renfrew County --- Agriculture and Conservation Comm
Advisory Comms to County ARDA --- Frontenac, Prince Edward,
Hastings, and Lennox and Addington

WHITE RIVER DISTRICT

Canadian Institute of Forestry
Recreational Planning Comm
Ontario Professional Foresters Assn --- Management Planning
Comm

ONTARIO FOREST TECHNICAL SCHOOL

Canadian Council of Technical Forestry School Executives

NEW POLICIES

[illegible]

AREA AND POPULATION BY PROVINCES populations in 000's

Province...Area in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961	*1970
Ontario.....412,582	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236	7,707
July 1, 1867									
Quebec.....594,860	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259	6,023
July 1, 1867									
Nova Scotia.....21,068	387	450	492	523	512	577	642	737	767
July 1, 1867									
New Brunswick.....27,985	285	321	351	387	408	457	515	598	624
July 1, 1867									
P.E.I.....2,184	94	109	93	88	88	95	98	105	110
July 1, 1873									
Newfoundland.....155,364	....	....	....	....	....	....	361	458	520
Mar. 31, 1949									
Manitoba.....246,512	25	152	461	610	700	729	776	922	979
July 15, 1870									
Saskatchewan.....251,700	....	....	492	757	921	895	831	925	933
Sept. 1, 1905									
Alberta.....255,285	....	....	374	588	731	796	939	1,332	1,614
Sept. 1, 1905									
British Columbia...366,255	36	98	392	524	694	817	1,165	1,629	2,161
July 20, 1871									
Territories*.....1,511,979	48	98	15	12	13	16	25	38	51
CANADA.....3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238	21,489

*Estimate of Dominion Bureau of Statistics, Oct. 1.

**Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763** Modified feudal system of land tenure existed when British occupied French Canada.
- 1783** First township surveyed under civil authority.
- 1798** First Surveys Act passed.
- 1819** Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827** Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838** First Public Lands Act (King William IV, May 17th).
- 1840** Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842** Upper and Lower Canada united in legislative union.
- 1852** Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853** Land Act (repealed).
- 1854** Bill introduced to prevent careless setting of fire (not enacted).
- 1867** Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868** Land Act of this year is basis of regulations made to present day.
- 1878** First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885** First system of fire ranging instituted.
- 1887** Camera first used for survey work.
- 1890** Ontario Cullers Act enacted.
- 1893** Algonquin Provincial Park established.
- 1897** Fire Rangers placed on unlicensed land at public expense.
Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lockout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.

- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established.
Forest Ranger School at Dorset established.

- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.

- 1949 White River District established (Central Region), the 22nd District.

- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.

- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised.
Silviculture becomes the third Branch in Division of Timber.
Land Use Planning Section created in Lands and Surveys.

- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

- 1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.

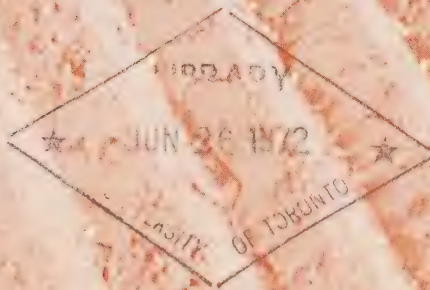
- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

- 1963 Land Acquisition Section created in Lands and Surveys.

- 1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.
 Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.
- 1965 Land Use Planning Section, Lands and Surveys Branch, merged with Land Acquisition Section as Land Acquisition and Planning Section.
- 1966 The Woodlands Improvement Act was passed into law, authorizing the Minister of Lands and Forests to enter into agreements with land-owners under which tree planting and woodland improvement work may be done by the Department.
 G.H.U. Bayly appointed Deputy Minister. Regional Director appointed at Maple for Southern Ontario, additional to directors at Sudbury (North-Eastern) and Port Arthur (North-Western). Regional Forester in South-Central, only.
- 1967 The responsibility for wilderness areas, water access points, canoe routes and hiking trails was transferred from Lands and Surveys Branch to Parks Branch. A park classification and park land zoning system was adopted.
 Post One, the first monument in the Ontario Plane Co-ordinate System of Surveys, was dedicated in Queen's Park, June 21st.
- 1968 Gogama Forest District eliminated in a re-organization, effective April 1st, reducing the number of districts to 21.
- 1969 Engineering Section transferred from Lands and Surveys Branch to Forest Protection Branch as Engineering Services Section, April 1st.
 Timber Branch re-organized into two sections, Timber Production and Timber Sales, and a Forest Economics Unit on September 2nd.
 Regional Foresters eliminated, November 1st.
- 1970 Complete services for winter camping were provided in Arrowhead, Pinery and Sibbald Point Provincial Parks.
 Port Arthur forest district and units were named Thunder Bay, January 1st.

1972

Statistics



STATISTICS, 1972

**A
Statistical Reference
of
Lands and Forests
Administration**

SERVICES BRANCH



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. LEO BERNIER,
Minister

W. Q. MACNEE,
Deputy Minister

NEW POLICIES

[illegible]

INDEX

	PAGE
Foreword	1
Premiers of Ontario since Confederation	2
Commissioners and Ministers since 1827	3
Deputy Ministers since Confederation	4
Administrative Districts	6
FINANCE AND ADMINISTRATION DIVISION	11
FINANCIAL MANAGEMENT BRANCH	13
Revenue and Expenditures	15
Revenue, details of	16
LEGAL SERVICES BRANCH	23
Federal-Provincial Co-operative Agreements	30
PERSONNEL BRANCH	39
Number of Employees	41
Summary of Classifications	42
Number of Professional Employees	44
Number of Employees by Months	45
Junior Rangers	46
Regional Personnel	47
District Personnel	50
Ontario Forest Technical School	71
SERVICES BRANCH	73
Hunter Safety Training, Hunting Accidents	75
Workmen's Compensation	76
Illustrated Public Lectures	77
Information and Education Services	78
Publications	79
LAND MANAGEMENT DIVISION	83
ENVIRONMENTAL PROTECTION BRANCH	85
Historic Fires	88
Forest Fire Statistics	89
Major Equipment	95
Air Service Section	97
Air Service Statistics	98
Air Base Opening Dates	102
LANDS AND WATERS BRANCH	105
Lands Proposed, Acquired and Rejected	109
Free Grant Land	111
Agricultural Land	112
Summer Resort Land	113
Cities, Towns and Townplots	114
Land for Special Use	115
Licences of Occupation, Leases	116
Land Use Permits	117
By District, 1971	118
SURVEYS AND ENGINEERING BRANCH	127
Distribution of Lithographed Maps	132
Retracement Surveys, Installed Capacity in H.P.	133

INDEX - Continued

	PAGE
OUTDOOR RECREATION DIVISION	135
PARKS AND RECREATION AREAS BRANCH	137
Public Use of Provincial Parks	139
Provincial Parks (by Districts)	142
Reserve Areas (by Districts)	150
Wilderness Areas	152
SPORT FISHERIES BRANCH	157
Total Licences Sold	159
Fish Hatchery Distribution	160
WILDLIFE BRANCH	165
Bounties Paid	167
Game Birds, Hunting Preserves and Propagators	168
Hunting Licences Sold	170
Prosecutions, Fines, etc.	171
RESEARCH BRANCH	173
RESOURCE PRODUCTS DIVISION	177
COMMERCIAL FISH AND FUR BRANCH	179
Fur Returns by Game Management Districts	181
Pelts, Value and Revenue	182
Breeding Stock on Fur Farms	184
Commercial Fishing Equipment	185
Yield of Fisheries by Species and Waters	186
RESOURCE ECONOMICS BRANCH	197
Mill Licences	199
TIMBER MANAGEMENT BRANCH	201
Reforestation Establishments, Tree Production	203
Trees Supplied to Private Lands	206
Forest Areas Managed by the Minister	208
Trees Planted on Managed Forests and Crown Lands. ...	210
Trees Planted in Forest Districts	213
Forest Regeneration by District	214
Forest Tending by District	216
Silvicultural Operations on Crown Lands	218
TIMBER SALES BRANCH	221
Wood Cut on Crown Land	223
Wood Cut by District, 1971	225
Volume and Value of Wood Cut, 1971	226
Timber Licences	270
Management Units	271
Aerial Rephotography	272
Primary Growing Stock and Allowable Annual Cut	274
COMMITTEES	277
AREA AND POPULATION by Provinces	289
HISTORICAL HIGHLIGHTS	290

FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1971 season and are subject to correction in the Annual Report for the year ending March 31st, 1972.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield Macdonald.....	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat.....	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy.....	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney.....	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury ..	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry.....	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn..	July 10, 1934	Oct. 21, 1942
Hon. G.D. Conant.....	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon.....	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy ..	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	Mar. 1, 1971
Hon. William G. Davis.....	Mar. 1, 1971	.....

COMMISSIONERS AND MINISTERS SINCE 1827

	From	To
Hon. Peter Robinson	July 17, 1827	July 14, 1836
Hon. R.B. Sullivan.....	July 14, 1836	June 30, 1841
Hon. John Davidson	July 23, 1841	Oct. 12, 1842
Hon. A.N. Morin	Oct. 13, 1842	Dec. 11, 1843
Hon. D.B. Papineau.....	Sept. 3, 1844	Dec. 7, 1847
Sir John A. MacDonald ..	Dec. 8, 1847	Mar. 10, 1848
Hon. J.H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte ...	Aug. 17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855	April 30, 1857
Sir E.P. Tache	June 16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte ...	Nov. 25, 1857	Aug. 1, 1858
Sir. A.A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet .	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood...	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall....	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell.....	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards...	July 1, 1867	July 25, 1871
Sir Matthew C. Cameron.	July 25, 1871	Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy ...	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E.J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A.G. McKay.....	Nov. 22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb. 8, 1905	May 13, 1905
Hon. F. Cochrane.....	May 13, 1905	Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G.H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N.O. Hipel.....	May 27, 1941	Aug. 17, 1943
Hon. W.G. Thompson....	Aug. 17, 1943	Nov. 28, 1946
Hon. H.R. Scott	Nov. 28, 1946	June 3, 1952
Hon. W.S. Gemmell.....	June 3, 1952	July 7, 1954
Hon. C.E. Mapledoram..	July 7, 1954	July 4, 1958
Hon. J.W. Spooner	July 23, 1958	Oct. 25, 1962
Hon. A. Kelso Roberts, Q.C.	Oct. 25, 1962	Oct. 28, 1966
Hon. Rene Brunelle	Nov. 24, 1966	Feb. 2, 1972
Hon. Leo Bernier	Feb. 2, 1972	.....

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL.....	1941
G. H. U. BAYLY	1966
W. Q. MACNEE	1971

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization until retiring in 1966.

G. H. U. BAYLY joined the Department with the Division of Reforestation in 1945. He was appointed Chief in 1955 and Assistant Deputy Minister in 1957. He flew with the RCAF from 1940 to 1945, in the United Kingdom, Africa and the Far East, retiring with the rank of Squadron Leader and the Distinguished Flying Cross won in the battle for Ceylon. He received a B. Sc. F. degree from the University of Toronto in 1939 and a M. Sc. F. in 1952.

WALTER MACNEE joined Lands and Forests after spending five years as Deputy Minister of the Department of Transport. During World War II, he served overseas with the Perth Regiment, 5th Canadian Division. After the war he resumed his education at Queen's University. In 1950 he received his B. Sc. in Civil Engineering and began work for the Department of Highways the same year.

NEW POLICIES

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles) February 25, 1969	ADMINISTRATIVE DISTRICT			FIRE DISTRICT		
	Land	Water	Total	Land	Water	Total
Chapleau.....	9,186	863	10,049	9,186	863	10,049
Cochrane.....	58,174	5,319	63,493	49,678	3,720	53,398
Fort Frances.....	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton.....	35,479	9,805	45,284	35,479	9,805	45,284
Kapuskasing.....	22,595	1,125	23,720	22,595	1,125	23,720
Kemptville.....	5,632	313	5,945	596	31	627
Kenora.....	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie.....	6,905	6,142	13,047	.....	.....	.....
Lake Huron.....	8,860	6,486	15,346	723	22	745
Lake Simcoe.....	4,710	1,444	6,154	228	19	247
Lindsay.....	5,097	1,692	6,789	2,718	232	2,950
North Bay.....	4,969	887	5,856	4,969	887	5,856
Parry Sound.....	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke.....	4,765	410	5,175	4,749	409	5,158
Sault Ste. Marie.....	6,297	2,281	8,578	6,154	2,281	8,435
Sioux Lookout.....	103,392	10,610	114,002	67,778	7,512	75,290

Sudbury.....	10,473	4,505	14,978	9,349	1,450	10,799
Swastika.....	5,341	292	5,633	5,341	292	5,633
Thunder Bay.....	16,933	3,067	20,000	16,933	3,067	20,000
Tweed.....	6,734	1,706	8,440	4,465	311	4,776
White River.....	8,005	4,133	12,138	8,005	4,133	12,138
TOTAL.....	344,092	68,490	*412,582	269,491	43,569	313,060

*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

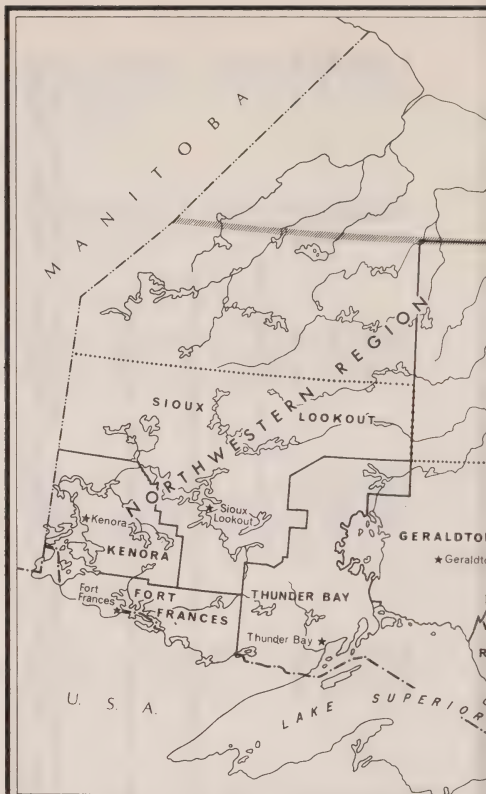
Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Thunder Bay, 1,593; Geraldton, 4,872; White River, 3,497; Sault Ste. Marie, 1,770; Tweed, 1,349; Lindsay, 1,288; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest known point in Ontario is Ogdak Mountain. Township 24, Range 12, Algoma District, elevation 2,183 feet above mean sea level.

(SEE MAP OF DISTRICTS, PAGE 8)



MAP OF
THE PROVINCE OF ONTARIO
SHOWING
**ADMINISTRATIVE
DISTRICTS AND REGION**
OF THE
ONTARIO
DEPARTMENT OF LANDS AND FORESTS



NEW POLICIES

[illegible]

FINANCE AND ADMINISTRATION DIVISION

Finance and Administration Division will provide support services to the whole Department. This approach will highlight the Head Office role in the long-range strategic planning area and will focus attention on specific needs of the public rather than on the specific natural resources.

This division is comprised of Financial Management Branch, Legal Services Branch, Personnel Branch, Services Branch, Program Analysis Co-ordinator and Emergency Planning Officer.

R.R. MacBean was appointed Executive Director on April 1, 1971.

FINANCE AND ADMINISTRATION DIVISION

Executive Director: R. R. MACBEAN

FINANCIAL MANAGEMENT BRANCH

Director: A. C. Goddard

LEGAL SERVICES BRANCH

Director: G. H. Ferguson

PERSONNEL BRANCH

Director: J. M. Taylor

SERVICES BRANCH

Director: G. A. Hamilton

PROGRAM ANALYSIS CO-ORDINATOR

W. D. Tieman

EMERGENCY PLANNING OFFICER

C. G. Guy

FINANCIAL MANAGEMENT BRANCH

The Division of Accounts was established in 1941 under J. G. McMillen.

R. R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports. A comprehensive internal audit program is provided. In 1964, a systems improvement program was instituted.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

A Departmental reorganization on April 1, 1971 changed the name to Financial Management Branch.

A. C. Goddard was appointed Director on November 1, 1971.

FINANCIAL MANAGEMENT BRANCH

Director: A.C. GODDARD

Chief Accountant: F.M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES Systems Improvement Program

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES in years ended March 31st

YEAR

CASH RECEIPTS

YEAR	CASH RECEIPTS			CASH DISBURSEMENTS		
	Ordinary	Fixed Assets	Total	Ordinary	Capital	Total General Expenditure
1951	\$10,966,065.72	\$5,351,437.91	\$16,317,503.63	\$9,840,796.17	\$3,326,822.18	\$13,167,618.35
1952	14,604,915.18	3,222,682.07	17,827,597.25	10,681,717.01	2,196,671.93	12,878,388.94
1953	20,634,549.56	2,513,325.57 ^m	23,147,875.13	11,486,280.94	1,654,781.54 ^m	13,141,062.48
1954	18,156,762.00	1,810,672.96	19,967,434.96	12,608,258.47	800,000.00	13,408,258.47
1955	19,146,974.96	178,810.09	19,325,785.05	12,716,508.33	178,810.09	12,895,318.42
1956	19,823,049.47	328,056.86	20,151,106.33	17,148,523.65	128,297.23	17,276,820.88
1957	20,881,873.91	367,501.40	21,249,375.31	16,037,678.39	187,935.36	16,225,613.75
1958	22,189,712.48	490,717.96	22,680,430.44	18,733,582.62	280,550.13	19,014,132.75
1959	19,512,132.50 ^w	725,375.25	20,237,507.75	20,259,829.63	4,167,468.40 ^p	24,427,298.03
1960	18,627,418.14 ^w	807,860.60	19,435,278.74	23,029,901.12 ^p	991,022.60	24,020,923.72
1961	20,811,710.78	844,686.28	21,656,397.06	23,042,059.98	234,988.32	23,277,048.30
1962	21,361,244.94	644,158.52	22,005,403.46	26,606,120.51	1,413,973.51	28,020,094.02
1963	21,852,508.58 ^w	721,351.77	22,573,860.35	25,579,139.71	2,934,927.69	28,514,067.40
1964	22,584,169.47	640,056.82	23,224,226.29	27,815,028.66	3,557,125.18	31,372,153.84
1965	23,273,311.03	768,852.31	24,042,163.34	28,667,274.63	1,562,775.74	30,230,050.37
1966	25,513,416.20	822,938.60	26,336,354.80	28,528,699.63	3,893,760.12	32,422,459.75
1967	26,288,442.11	1,129,352.10	27,417,794.21	36,307,310.01	5,905,588.27	42,212,898.28
1968	28,755,043.88	1,225,300.22	29,980,344.10	42,807,111.26	8,006,754.94	50,813,866.20
1969	32,291,088.76	1,488,316.16	33,779,404.92	48,375,964.51	10,343,575.11	58,719,539.62
1970	37,550,206.83	1,968,479.08*	39,518,685.91	.....	.....	61,452,670.60**
1971	38,441,964.07	1,415,841.03	39,857,805.10	.....	.....	71,501,137.80

Grants to Conservation Authorities in 1962, 1963 and 1964.

Water power revenue transferred to Treasury Department in 1959. p--Parks improvements, w--Cut back in woods operation. m--Mississagi project.

* Prior years designated as Capital Receipts.

** Expenditures designated as Ordinary and Capital in prior years.

TIMBER REVENUE in years ended March 31st

Year	Crown Dues	Ground Rent	Forest Protection Charges	Cash Deposits and Refunds	Misc.	Total
1947	\$6,175,444	\$125,061	\$461,164	\$164,784	\$17,651	\$6,944,104
1948	6,093,410	126,875	456,444	.....	178,302	6,855,031
1949	6,899,107	108,934	440,011	130,506*	14,744	7,332,290
1950	6,146,884	112,139	485,313	29,195	15,704	6,789,235
1951	5,269,279	116,642	1,007,662	53,743	13,777	6,461,103
1952	8,324,529	114,197	1,010,554	26,954	24,631	9,500,865
1953	13,718,339	123,366	1,175,776	77,859	22,361	15,117,701
1954	10,225,155	79,832	1,052,635	14,373*	23,211	11,396,460
1955	10,834,114	76,019	945,953	53,919	17,673	11,927,678
1956	11,667,003	76,234	971,517	18,024*	10,000	12,706,730
1957	12,332,778	80,786	1,091,659	34,762	16,583	13,556,568
1958	13,333,503	81,098	1,041,837	45,844*	20,414	14,431,008
1959	11,382,445 ^w	84,468	1,085,027	51,833*	19,893	12,520,000
1960	10,381,470 ^w	82,255	1,087,804	16,924	26,869	11,565,322
1961	11,983,088	80,488	1,035,464	38,664*	32,041	13,092,417
1962	12,202,240	83,074	1,085,269	21,102	14,660	13,406,345
1963	11,418,166 ^w	83,903	1,096,639	7,969*	26,661	12,617,400
1964	12,194,962	81,522	989,233	48,800	25,067	13,339,583
1965	12,442,384	88,569	1,153,344	16,177	29,239	13,729,713
1966	13,770,045	83,865	1,083,416	64,461*	20,715	14,893,580
1967	13,273,094	85,950	1,123,840	38,958	44,628	14,566,470
1968	15,006,187	118,105	1,519,165	22,730*	94,084	16,714,811
1969	14,704,603	239,304	3,125,169	20,422	100,289	18,189,787
1970	17,501,304	169,426	2,213,672	18,268*	105,368	19,971,502
1971	18,325,410	218,007	2,309,940	6,565	371,238	21,231,160

^w - Cut back in woods operations.

*Refunds in excess of deposits.

PROVINCIAL PARKS REVENUE in years ended March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Federal Assistance	Misc.	Total
1957	\$	\$ 45,613	\$	\$	\$ 13,008	\$ 58,621
1958	148,488	78,462	.....	.....	17,383	244,333
1959	207,751	124,137	.....	222,287	27,181	581,356
1960	292,459	206,148	44,775	.....	25,556	568,938
1961						
1962	382,887	331,481	60,868	195,129	25,208	995,573
1963	438,632	447,535	58,831	.....	45,313	990,311
1964	507,657	537,997	71,646	218,916	34,347	1,370,563
1965	554,098	599,440	84,125	.....	17,305	1,254,968
1966	591,748	626,034	95,487	.....	21,945	1,335,214
1967	901,300	863,704	95,082	.....	24,849	1,884,935
1968	1,024,315	935,513	105,670	.....	37,998	2,103,496
1969	1,028,405	1,001,079	107,536	239,410	55,579	2,432,009
1970	553,131	1,648,213	116,283	.....	95,986	2,413,613
1971	609,390	1,937,078	131,033	361,377	43,349	3,082,227
1971	665,467	2,258,079	157,412	12,423	21,740	3,115,121

FISH AND WILDLIFE REVENUE in years ended March 31st.

Year	Non-Res.		Res. P. P.		Res.		Other		Commercial		Royalty		Non-Res.		Res. Bear		Res. Deer		Res. Moose	
	Angling	Licences	Angling	Licences	Angling	Licences	Fishing	Licences	Fishing	Licences	Fish	Licences	Hunting	Licences	Licences	Licences	Licences	Licences	Licences	Licences
1948	\$1,156,904	.....	.....	.....	.....	.....	\$102,301	.....	\$8,404	\$453,790	.....	.....	\$205,827	.....	.....	.....	\$205,827	.....	\$11,878	.....
1949	1,335,358	\$14,840	.....	\$303	.....	.....	108,083	.....	8,514	468,705	.....	.....	237,707	.....	.....	.....	237,707	.....	16,787	.....
1950	1,432,230	12,664	.....	5,287	.....	.....	106,251	.....	9,093	364,922	.....	.....	242,208	.....	.....	.....	242,208	.....	352	.....
1951	1,614,125	13,960	.....	9,690	.....	.....	112,423	.....	9,265	401,490	.....	.....	264,881	.....	.....	.....	264,881	.....	.....	.....
1952	1,848,666	12,685	.....	7,395	.....	.....	124,197	.....	11,058	340,255	.....	.....	279,945	.....	.....	.....	279,945	.....	14,000	.....
1953	1,930,756	10,295	.....	8,905	.....	.....	125,194	.....	14,857	156,913	.....	.....	348,664	.....	.....	.....	348,664	.....	33,487	.....
1954	2,074,178	11,896	.....	12,573	.....	.....	99,815	.....	13,039	447,366	.....	.....	355,911	.....	.....	.....	355,911	.....	52,464	.....
1955	2,188,435	16,233	.....	23,269	.....	.....	107,442	.....	9,353	453,644	.....	.....	364,082	.....	.....	.....	364,082	.....	73,460	.....
1956	2,262,680	16,655	.....	26,164	.....	.....	96,797	.....	9,983	513,088	.....	.....	405,201	.....	.....	.....	405,201	.....	90,040	.....
1957	2,276,855	18,206	.....	28,181	.....	.....	102,234	.....	15,032	545,979	.....	.....	400,272	.....	.....	.....	400,272	.....	134,210	.....
1958	2,411,133	20,844	.....	22,967	.....	.....	87,810	.....	17,857	563,004	.....	.....	415,920	.....	.....	.....	415,920	.....	173,650	.....
1959	2,313,643	23,782	.....	21,134	.....	.....	89,122	.....	6,605	588,852	.....	.....	459,439	.....	.....	.....	459,439	.....	214,664	.....
1960	2,366,465	33,147	.....	21,433	.....	.....	89,212	.....	1,615	698,968	.....	.....	468,833	.....	.....	.....	468,833	.....	245,033	.....
1961	2,404,545	31,066	.....	18,322	.....	.....	90,592	.....	1,253	797,213	.....	.....	493,361	.....	.....	.....	493,361	.....	280,274	.....
1962	2,492,627	34,585	.....	18,698	.....	.....	90,160	.....	2,693	936,819	.....	.....	420,727	.....	.....	.....	420,727	.....	358,695	.....
1963	2,575,611	32,960	.....	18,144	.....	.....	93,612	.....	2,705	1,041,490	.....	.....	478,444	.....	.....	.....	478,444	.....	363,095	.....
1964	2,651,793	33,426	.....	18,976	.....	.....	94,207	.....	2,541	1,125,019	.....	.....	457,361	.....	.....	.....	457,361	.....	393,296	.....
1965	2,656,575	39,227	.....	23,007	.....	.....	97,735	.....	1,783	1,278,264	.....	.....	493,979	.....	.....	.....	493,979	.....	366,693	.....
1966	2,808,858	38,258	.....	23,292	.....	.....	99,982	.....	975	1,478,195	.....	.....	533,179	.....	.....	.....	533,179	.....	422,535	.....
1967	2,932,274	38,859	.....	28,020	.....	.....	108,092	.....	724	1,859,144	.....	.....	546,667	.....	.....	.....	546,667	.....	436,508	.....
1968	2,961,135	39,860	.....	30,977	.....	.....	112,700	.....	1,936	1,896,323	.....	.....	552,136	.....	.....	.....	552,136	.....	464,418	.....
1969	3,218,579	39,999	.....	38,476	.....	.....	115,815	.....	982	2,105,872	.....	.....	903,722	.....	.....	.....	903,722	.....	725,130	.....
1970	4,247,268	.....	.....	35,164	.....	.....	110,163	.....	767	2,092,522	.....	.....	870,576	.....	.....	.....	870,576	.....	698,139	.....
1971	4,002,435	.....	.....	22,109	.....	.....	106,568	.....	92	1,874,606	.....	.....	780,921	.....	.....	.....	780,921	.....	786,774	.....

*Resident Angling Licence discontinued January 1st, 1971.

FISH AND WILDLIFE REVENUE in years ended March 31st.

Year	Res. Ground Hog Licences	Res. Hunting (Gun) Licences	Dog Licences	Trappers' Licences	Fur Dealers' Licences	Royalty Game	Hunter Examination Fees	Provincial Park Hunting Permits	Misc.	Total
1948	\$ 6,618	\$ 139,983	\$ 13,764	\$ 54,139	\$ 31,889	\$ 152,376	.....	.....	\$ 82,788	\$ 2,420,661
1949	9,401	150,977	15,923	62,746	30,674	265,425	.....	.....	88,433	2,813,876
1950	10,800	167,216	16,212	56,390	27,787	237,037	.....	.....	86,069	2,774,518
1951	10,583	173,087	17,120	64,078	27,305	257,619	.....	.....	90,125	3,065,751
1952	10,115	195,767	17,116	58,851	24,872	282,812	.....	.....	92,211	3,319,945
1953	13,052	218,336	18,595	58,896	23,111	339,708	.....	.....	109,146	3,409,915
1954	13,136	218,887	19,511	54,252	18,833	298,753	.....	.....	110,121	3,800,735
1955	21,175	234,296	21,766	53,374	19,413	289,846	.....	.....	113,468	3,989,256
1956	21,018	250,758	23,544	56,545	17,094	260,507	.....	.....	104,640	4,154,714
1957	23,845	244,431	23,492	49,595	14,345	223,357	.....	.....	106,093	4,205,827
1958	25,199	267,922	23,664	43,915	12,847	233,885	.....	.....	113,914	4,434,531
1959	28,867	292,713	24,224	38,330	3,979	229,946	.....	.....	104,524	4,439,824
1960	29,305	294,128	25,033	41,090	3,844	210,911	.....	.....	93,190	4,622,207
1961	29,152	298,594	24,516	37,274	3,300	242,210	.....	.....	96,438	4,848,110
1962	27,097	295,014	22,574	31,621	3,521	212,461	.....	.....	107,203	5,054,516
1963	28,199	301,142	22,187	33,031	3,488	222,234	.....	.....	106,918	5,324,796
1964	33,351	321,180	24,811	37,009	3,844	290,563	.....	\$16,998	91,923	5,598,080
1965	32,347	309,060	24,269	34,744	3,586	252,380	.....	20,869	92,477	5,729,078
1966	36,919	328,177	25,732	32,911	3,326	197,077	.....	25,176	95,792	6,153,301
1967	39,443	331,256	25,934	31,641	2,950	223,867	.....	27,764	109,254	6,746,463
1968	39,776	335,350	25,292	30,433	2,746	218,622	\$11,649	31,320	131,521*	6,891,015
1969	44,198	913,544	25,305	33,057	2,906	222,626	68,901	31,955	53,078	8,691,388
1970	92,030	899,906	23,874	35,847	2,637	213,364	73,707	29,909	53,452	11,146,217
1971	84,619	912,231	22,741	33,090	2,337	239,154	73,372	33,624	313,168**	10,842,590

*Fines included in Miscellaneous Revenue to Year Ended March 31st, 1968, now reported by Department of Justice.
 **Includes federal share of loans to commercial fishermen.

LANDS AND SURVEYS REVENUE

in years ended March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,237	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250
1966	495,852	324,548	32,041	198,039	1,050,480
1967	732,281	346,762	34,265	356,877	1,470,185
1968	778,884	399,445	30,987	309,784	1,519,100
1969	1,113,794	384,822	30,781	422,869	1,952,266
1970	1,279,054	447,174	36,915	626,471	2,389,614
1971	1,088,147	464,483	27,109	680,627	2,260,366

† Leases and Licences of Occupation

CASH RECEIPTS

In years ended March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	*Nursery Tree Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	.....
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414
1966	1,528,775	121,514	26,664	72,007	143,283
1967	1,772,838	136,660	31,878	81,667	106,888
1968	1,761,796	136,921	38,715	124,489	129,535
1969	1,754,617	169,603	44,572	84,249	159,354
1970	2,033,837	157,161	67,983	87,512	189,535
1971	1,932,379	175,600	65,321	54,589	180,679

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

NEW POLICIES

[illegible]

LEGAL SERVICES BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959 and Legal Services Branch on April 1, 1971.

G.H. Ferguson was appointed Supervisor on December 1st, 1957, and Chief, Law Branch, on July 28, 1966 and Director, Legal Services Branch on April 1, 1971.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Legal Services Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Divisions, the Acts administered by the Department are as follows.

FINANCE AND ADMINISTRATION DIVISION

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$25.60 per square mile is the same as the fire protection charge on Crown timber licensed areas.

THE LOGGERS' SAFETY ACT establishes safety standards in logging operations, requires returns and provides for penalties.

LAND MANAGEMENT DIVISION

THE BEDS OF NAVIGABLE WATERS ACT (Sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulation. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season (to start fires in a fire district) except for fires set out for cooking or warmth, and to ignite fireworks in or within 1000 feet of a forest or woodland. Work permits are required at any time of the year for carrying on logging, mining,

LEGAL SERVICES BRANCH

Director: G. H. FERGUSON, Q. C.

SOLICITORS:

W. E. D. Peters
W. J. Obelnycki
D. G. Searle
L. A. Low

PATENTS OFFICE

Supervisor: A. E. B. Armstrong

SECRETARY

Stenographic Staff

any industrial operation, clearing, etc., in or within 1000 feet of a forest or woodland. Areas may be established as restricted fire zones in which fires will be restricted to portable stoves and barbecues or as restricted travel zones in which a permit will be required except on public roads, cities, towns, villages, police villages, supervised camping grounds and waters adjacent thereto or emergency areas in which the Minister may make orders for the safety and evacuation of persons. The Minister may enter into agreements with Canada, any province, any federal or provincial agency and municipality respecting the prevention and control of forest fires. The regulations establish fire precautions.

THE FOREST TREE PEST CONTROL ACT, 1969 provides for the control of outbreaks of forest tree insects and diseases on private lands. This Act came into force on April 1, 1969.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with; - the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE ONTARIO GEOGRAPHIC NAMES BOARD ACT. This Act provides for the establishment of a geographic names board for Ontario having the duty to gather information respecting names of places and geographical features, make recommendations thereon, collaborate with the Canadian Permanent Committee on Geographic Names and provide information to government departments, etc. The Minister may approve a recommended name and thereupon it shall be used by all government departments and agencies in the preparation of maps and other publications.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste Marie, Southampton, Toronto, Whitby and Windsor.

THE PUBLIC LANDS ACT provides for: - (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches

and water lots; (5) The administration of roads on Crown lands including the designation of public forest roads and agreements with occupiers of private forest roads respecting the use by the public of private forest roads; (6) The administration and control of the construction and maintenance of dams.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment. His decision is subject to appeal to a judge of the Supreme Court.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

OUTDOOR RECREATION DIVISION

THE ENDANGERED SPECIES ACT, 1971, provides for the conservation, protection, restoration and propagation of species of fauna and flora of the Province of Ontario that are threatened with extinction.

THE GAME AND FISH ACT deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; frogs; and sale and rearing of game fish. The Act relates to: - - open seasons for hunting and trapping; bag limits; Crown game preserves; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O.P.P. in a provincial park. Advisory committees for one or more provincial parks may be appointed by the Minister with the approval of the Lieutenant Governor in Council.

Parks may be classified as a natural environmental park, a nature reserve park, a primitive park, a recreational park, a wild river park or otherwise and may be zoned with controlled use in zones.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interest existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$10.00 for the season. Campsite charges are \$2.50 per day. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.) Overnight camping charges are \$1.00 per day or \$5.00 for two weeks on unorganized campsites in park interior.

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Under this Act, which was passed on March 26, 1959, 39 areas are set apart by the regulations.

RESOURCE PRODUCTS DIVISION

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown Timber on the licensed area when tenders are called, or in a salvage operation, or where the stumpage charges are less than \$2,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed area, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a license is granted to him to fill his requirements for an operating season.

Basic Crown dues, forest protection charges and management charges are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act.

THE FISHERIES LOANS ACT provides for loans to persons carrying on the business of commercial fishing or any other business dependant in whole or in part on the taking of fish from waters in which such taking has been prohibited by reason of the contamination of fish resulting from pollution of the water. Provision is made for federal-provincial agreements respecting the sharing of such loans.

THE FORESTRY ACT. Under this Act: - (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE FRESHWATER FISH MARKETING ACT (ONTARIO) complements the Freshwater Fish Marketing Act (Canada). Through these Acts and the federal-provincial agreement, the Freshwater Fish Marketing Corporation established under the Federal Act is the sole purchaser of commercial fish, as defined in the Federal Act, taken in that part of Ontario designated in the regulations, i.e., that part of Ontario westerly of longitude 86° except the Territorial District of Rainy River but including that part of Lake of the Woods in the Territorial District of Rainy River. Sales to and purchases by persons for their own consumption or for consumption by persons or animals in the course of the purchaser's business are excepted.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE TREES ACT provides, that with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27, 1961).

THE WOODLANDS IMPROVEMENT ACT provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides a lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement

- (1) Three-fifths of cost contributed by Canada, \$ 500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.
- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH

By an exchange of letters of the Deputy Minister of Lands and Forests dated May 7, 1968 and the Deputy Minister of Forestry dated May 24, 1968, it was agreed that the forestry research projects of the departments would be co-ordinated through the planning of a committee to be known as the Canada-Ontario Joint Forestry Research Committee whose terms of reference are to co-ordinate the planning of the forestry research programmes of the Ontario Regional Establishment of the federal department and the Research Branch of the provincial department by reviewing the needs of forest management in Ontario and by recommending appropriate research programmes to be undertaken by the two research organizations and to co-ordinate the execution of forest research programmes of the two organizations by reviewing the progress of approved programmes and by facilitating their conduct. Each Deputy Minister will appoint up to four members. The committee should elect a chairman and establish its rules of procedure and establish a two-member executive, one from each department, to expedite action on the recommendations of the joint committee. The committee also has authority to establish an advisory committee with representatives from the forest industry, universities and other appropriate agencies.

An agreement dated January 9, 1970 between Canada (Minister of Fisheries and Forestry) and Ontario (Ministers of Lands and Forests and Public Works), replaced and superceded the existing agreement on forest research dated January 31, 1963. Ontario agreed to lease to Canada the Forest Insect Laboratory at Sault Ste. Marie for a further term of five years from April 1, 1970 and it was agreed that any equipment in the Laboratory of Forest Pathology at Maple not removed by Canada prior to October 31st, 1968 become the property of Ontario.

5. WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by agreements dated 28th October, 1960, and 12th July, 1967.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$145 a month subject to deductions for non-reporting of weather observations.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Assistant Deputy Minister of Indian and Eskimo Affairs dated December 14, 1970 and the Deputy Minister of Lands and Forests dated February 22, 1971, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from November 2, 1970 provided that the Department of Lands and Forests maintains the road in summer and winter, maintains and repairs the bridge on the village road, constructs and maintains a road drainage ditch through the village and keeps two designated turning areas for school buses free of snow.

7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

By an agreement dated May 12, 1970 between the Minister of Lands and Forests and the Minister of Indian Affairs and Northern Development the agreement dated January 24, 1962 was amended with respect to expenditures and sources of funds for certain projects set out in the budget for the period commencing April 1, 1970 and ending March 31, 1971.

By an agreement dated April 16, 1971 between the Minister of Lands and Forests and the Minister of Indian Affairs and Northern Development the agreement dated January 24, 1962 was amended with respect to expenditures and sources of funds for certain projects set out in the budget for the period commencing April 1, 1971 and ending March 31, 1972.

By an agreement dated January 12, 1972 between the Minister of Lands and Forests and the Minister of Indian Affairs and Northern Development the amending agreement dated April 16, 1971 was amended to provide funds for the re-establishment of a goose camp at Winisk.

8. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under the National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional Lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues, from lands are received by the Minister and on termination or expiry of the expenses less the revenues, without interest. If there is an excess, it shall be paid of the Commission without interest. The agreement is to be reviewed following April 1, 1963 and every second year thereafter.

9. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters between the Minister of Fisheries dated October 23rd, 1967 and the Minister of Lands and Forests dated November 7th, 1967, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed to amend the existing areas of responsibility for fisheries research in the Great Lakes as follows:

Canada will assume the responsibility for:

1. Lamprey research and control programmes in the Great Lakes.
2. Such studies in Ontario waters as may be recommended by the Federal-Provincial Committee for Ontario Fisheries, subject to availability of personnel and funds.
3. A general research programme on eutrophication.
4. Technological research related to the development of new products and of new techniques for handling, packaging, preparing, and storing freshwater fisheries products.

5. Economic studies of Ontario fisheries upon request by provincial authorities, subject to the limitations of staff and budget.
6. The administration of federal fish inspection legislation within the Province and assist the provincial authorities in the administration of provincial fish inspection regulations.

Ontario will assume responsibility for:

1. General fisheries research in support of its fisheries management responsibilities in all Ontario waters.
2. Co-operation with the federal programme on eutrophication by making small lakes available for experimental work if mutually satisfactory arrangements can be made. The research required to provide solutions to local eutrophication problems in specific waters will remain the responsibility of Ontario.
3. Gathering, summarizing and analyzing sport and commercial fisheries statistics.
4. Fish culture programmes in the province (professional and technical officers of the Federal Government competent in this field will be made available for consultation or assistance upon request).

Canada agreed to co-operate with Ontario on a cost-sharing basis in projects proposed by Ontario in developments of the industrial fishery such as exploratory fishing, gear and boat development, fish farming, handling, processing and distribution or marketing of fisheries products; on the basis that priorities are considered by the Industrial Development Subcommittee and funds are available.

By an agreement dated February 25, 1970 between the Minister of Lands and Forests (Ontario) and the Minister of Fisheries and Forestry (Canada), Ontario agreed to construct a sea lamprey control and fish management structure on the Saugeen River near the Town of Southampton in the County of Bruce. The structure is to be operated by Ontario and the cost of construction was shared equally by Canada and Ontario.

By an agreement dated June 1, 1970 between the Minister of Transport (Canada) and the Minister of Lands and Forests (Ontario), Canada granted to Ontario permission to occupy and use certain lands and harbour facilities at Port Dover, Ontario for a period of five years from January 1, 1970 as a site for a Fisheries Research Unit.

10. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

11. PREVENTION AND CONTROL OF FIRES ON INDIAN RESERVES

An agreement dated the 24th day of June, 1968 between Ontario as represented by the Minister of Lands and Forests and Canada as represented by the Minister of Indian Affairs and Northern Development, Ontario will continue to provide the same prevention and detection services to Indian reserves as are provided to adjacent public lands. Canada shall pay to Ontario on or before May 1st in each year 4¢ for each protected acre. This agreement is subject to five-year reviews.

12. RE-CONSTRUCTION OF CRAB LAKE DAM

By an agreement dated October 15, 1968, between Canada as represented by the Minister of Transport and Ontario as represented by the Minister of Lands and Forests, Canada was given a right to re-construct or re-build the dam on Crab Lake in Sherborne Township to an elevation of eleven feet six inches above the sill of the old dam, i.e., ten feet above the sill of the new dam. Canada has the right to regulate the dam and Ontario agreed to indemnify Canada against claims arising out of the raising of the waters to not more than ten feet above the sill of the new dam.

13. FRESHWATER FISHERIES

By an agreement dated August 11, 1969 between Canada as represented by the Minister of Fisheries and Forestry and Ontario as represented by the Minister of Lands and Forests, Ontario agreed to grant authority to the Freshwater Fish Marketing Corporation to exercise powers of regulation in relation to the marketing of commercial fish taken in the part of Ontario designated in regulations made under The Freshwater Fish Marketing Act (Ontario), 1968-69. Ontario agreed to pay not more than \$5000 in respect of the initial operating and establishment expenses of the corporation. Ontario also agreed to pay Canada 5% of any losses incurred by Canada from guarantees given by Canada to banks of fishermen's loans and from loans made directly by Canada. Ontario also undertook to make arrangements to pay the owner of any plant or equipment in the designated area used in storing, processing or otherwise preparing fish for market, compensation for any such plant or equipment that will or may be rendered redundant by reason of any operations authorized to be carried out by the corporation.

14. OWNERSHIP OF THE BED OF THE WELLAND RIVER IN THE VILLAGE OF PORT ROBINSON

By an exchange of letters between the Deputy Minister of Lands and Forests and the President of the St. Lawrence Seaway Authority, dated January 14 and February 4, 1970, respectively, it was agreed that the portions of the bed of the Welland River being Parcel 2 on Plan M8 and Parcel 48 on Plan M10 in the Land Titles Office for the County of Welland are owned by the authority and Lot 51 on Plan M7 in the Land Titles Office is owned by the province. It was further agreed to exchange the bed of the diversion of the river for the bed of the diverted portion of the river upon the completion of the diversion.

15. ADMINISTRATION AND CONTROL OF A PORTION OF THE BED OF THE WELLAND RIVER

By an agreement dated July 15, 1969 between Canada as represented by the Minister of Transport and Ontario as represented by the Minister of Lands and Forests, Canada and Ontario agreed that Ontario has the administration and control of certain lands comprising a portion of the bed of the Welland River in the townships of Crowland, Thorold and Willoughby and the City of Niagara Falls in the County of Welland.

16. PAYMENTS TO COMMERCIAL FISHERMEN OR PROCESSORS

By an agreement dated July 26, 1971 between Canada (Minister of Fisheries) and Ontario (Minister of Lands and Forests), Canada and Ontario agreed to establish a cost-sharing program to maintain commercial fish operations on certain lakes during 1971. Canada was to administer the program and make cash payments to fishermen or processors for fish rejected because of unacceptable levels of mercury contamination. Total payments under the program, to be shared equally by Canada and Ontario, were not to exceed \$100,000.

17. IMPROVEMENT OF GEODETIC CONTROLS IN PARTS OF ONTARIO

By an agreement dated September 1, 1971 between Ontario (Minister of Lands and Forests) and Canada (Minister of Energy, Mines and Resources), Canada and Ontario agreed to share the costs of field survey operations to effect the improvement and densification of geodetic controls and related matters in parts of Ontario. Ontario's share of the costs is not to exceed \$65,000 and Canada's share not to exceed \$60,000. The obligations of Ontario under the agreement terminate with March 31, 1972.

NEW POLICIES

[illegible]

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with S. H. C. Parsons as Supervisor; it was named Branch on December 1, 1959.

A. J. Herridge was appointed Supervisor on July 20, 1966, and Chief on August 1, 1966.

J. M. Taylor was appointed Chief on January 1, 1967.

Personnel Branch is divided into five sections with duties and responsibilities as follows.

EMPLOYMENT: Recruitment of staff, including Junior Forest Rangers; recruiting activities at universities and technical schools; job advertising; transfers and promotions; establishment and complement control; and assignment of qualified employees to positions.

CLASSIFICATION AND JOB EVALUATION: Ensuring that positions are properly classified and recommending the classification of positions; identifying and recording of organization positions; ensuring that position specifications are produced; classifying positions under the Delegated Authority; developing class series.

TRAINING AND SPECIAL ASSIGNMENTS: Co-ordinating and organizing Department training courses; arranging for employees to attend courses given by outside agencies; liaison with Ontario Forest Technical School and Educational Leave Committee; processing of employee grievances; analyzing Department training needs; and special assignments.

EMPLOYEE RELATIONS: Counselling of employees; improvement of communications between field and head office staffs; investigations of problems relating to personnel; liaison with Staff Relations Branch, Treasury Board and Civil Service Association of Ontario; and maintaining Department program on alcoholism.

OFFICE MANAGEMENT: Documentation of personnel records; attendance reports and leaves of absence recommendations; processing nominations to staff; transfers; separations; group insurance applications and changes; merit increases; accelerated increases; salary revisions; maintaining personnel files for all Regular and Probationary staff and Group 3 Unclassified; providing statistical information at the request of other Branches of the Department.

PERSONNEL BRANCH

Director: J. M. TAYLOR

EMPLOYMENT

C. H. Bennett

CLASSIFICATION AND JOB EVALUATION

W. W. Tweed

TRAINING AND SPECIAL ASSIGNMENTS

A. Yuile

EMPLOYEE RELATIONS

A. Jackel

OFFICE MANAGEMENT

D. G. Grant

NUMBER OF EMPLOYEES
in years ending March 31st

STAFF TURNOVER

Discontinued From
Reg & Prob Staff

Year	Reg- ular	Probat- ionary	Mon- thly	*Cas- ual	Total	**Age	Misc.	Total
1943	304	218	..	339	861	..	..	..
1944	310	268	..	397	975	..	..	..
1945	324	305	..	929	1,558	..	..	..
1946	373	318	..	573	1,264	..	..	..
1947	523	562	..	527	1,612	..	..	..
1949	1,167	196	..	562	1,925	..	..	..
1950	1,352	157	..	580	2,089	..	..	..
1951	1,420	141	..	701	2,262	28	99	127
1952	1,441	181	..	790	2,412	17	122	139
1953	1,518	158	..	680	2,356	19	96	115
1954	1,546	175	..	633	2,354	34	95	129
1955	1,618	142	..	727	2,487	23	94	117
1956	1,611	180	..	655	2,446	36	135	171
1957	1,583	175	..	929	2,687	31	137	168
1958	1,685	134	..	3,209	5,028	26	69	95
1959	1,759	113	..	2,750	4,622	34	58	92
1960	1,946	90	..	1,224	3,260	44	73	117
1961	2,096	121	320	1,734	4,271	38	55	93
1962	2,348	189	44	1,059	3,640	44	79	123
1963	2,368	181	40	701	3,290	58	97	155
1964	2,337	207	36	650	3,230	72	111	183
1965	2,309	193	24	625	3,151	49	244	293
1966	2,281	225	..	985	3,491	39	142	181
1967	2,270	297	..	777	3,344	35	157	192
1968	2,304	490	..	966	3,760	75	136	211
1969	2,486	485	..	904	3,875	72	183	255
1970	2,762	310	..	877	3,949	79	224	303
1971	2,819	408	..	1,506	4,733	70	155	225

*Groups I and II. Does not include
extra fire fighters.

**Retirements, superannuations and deaths.

SUMMARY OF CLASSIFICATIONS

Permanent and Probationary Staff as of April 1, 1971.

GROUPS	Head Office*	Field	Total
Agricultural Technicians.....	3	3	6
Air Engineers.....	31	10	41
Biologists.....	24	64	88
Bookbinders.....	1	..	1
Cartographers.....	7	..	7
Clerks.....	197	232	429
Commercial Artists.....	1	..	1
Communications Technicians...	10	15	25
Conservation Officers.....	..	1	1
Construction Superintendents.	11	..	11
Cooks and Food Service.....	6	3	9
Designers.....	3	3	3
Draughtsmen.....	52	..	52
Drivers.....	13	8	21
Economists.....	5	..	5
Engineers.....	11	..	11
Equipment Operators.....	21	..	21
Executive Officers.....	13	1	14
Financial Officers.....	31	21	52
Foresters.....	63	138	201
Forestry Technicians.....	..	8	8
Highway Equipment Operators..	5	25	30
Inspector of Surveys.....	5	2	7
Instructors.....	5	..	5
Laboratory Technicians.....	7	1	8
Legal Officers.....	5	..	5
Library Staff.....	3	..	3
Maintenance Staff.....	54	55	109
Management Services Officers.	15	..	15
Manual Workers.....	5	3	8
Mechanics.....	3	55	58
Nurse.....	1	..	1
Parks and Land Use Planners..	12	..	12
Personnel Administrators.....	16	..	16
Photogrammetrist.....	1	..	1
Photographers.....	4	..	4
Pilots.....	21	20	41
Plant Superintendents.....	4	..	4
Program Analysts.....	2	..	2
Public Relations Officers....	11	1	12

*Head Office includes Research Branch, Maple and Air Service Section, Sault Ste. Marie.

SUMMARY OF CLASSIFICATIONS (Continued)

Permanent and Probationary staff as of April 1, 1971.

GROUPS	Head Office*	Field	Total
Purchasing Officers.....	5	1	6
Radio Operators.....	3	16	19
Rangers.....	..	2	2
Research Scientists.....	18	22	40
Research Supervisors.....	3	2	5
Resource Technicians.....	47	1,356	1,403
Resources Manager.....	1	..	1
Safety Instruction Officers..	2	13	15
Section Supervisors.....	17	..	17
Senior Management Personnel..	10	24	34
Stationary Engineers.....	9	1	10
Statisticians.....	2	..	2
Stenographic Staff.....	154	148	302
Technician Data Control.....	1	..	1
Technician Equip. Res. & Dev.	5	..	5
Technician Photographic.....	7	..	7
Technician Survey.....	8	..	8
Water Level Control Staff....	..	2	2
Total:.....	985	2,242	3,227

Class

	1	..	34	34
	2	7	359	366
	3	11	472	483
RESOURCE				
TECHNICIANS	Sr. 1	9	310	319
	Sr. 2	4	102	106
	Sr. 3	4	64	68
	Sr. 4	12	15	27

Executive Directors.....	4
Regional Directors.....	3
Branch Directors.....	15
Director Ontario Forest	
Technical School.....	1
District Foresters.....	21

ON STAFF		NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st					
Licensed Scalers	Ranger School Grads	Year	Fore- sters	Biolo- gists	Civil Engrs	Others	Total
...	...	1943	56	..	..	19	75
...	...	1944	45	..	..	13	58
...	...	1945	54	..	..	29	83
...	...	1946	55	..	..	14	69
...	...	1947	...	..	..	..	...
...	...	1949	85	18	2	10	115
...	...	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329
815	925	1966	222	72	7	27	328
835	1,217	1967	235	80	5	55	375
888	1,013	1968	249	88	5	46	388
942	1,088	1969	225	83	15	52	375
942	1,088	1970	210	85	15	96	406
962	1,103	1971	257	88	11	50	406

TOTAL NUMBER OF EMPLOYEES ON STAFF BY MONTHS, 1970-71

1970	HEAD OFFICE				FIELD				Grand Total
	Reg.	Prob.	Unclass.	Total	Reg.	Prob.	Unclass.	Total	
Apr.	726	125	167	1,018	2,031	170	2,022	4,223	5,241
May	746	135	259	1,140	2,037	190	4,943	7,170	8,310
June	778	107	294	1,179	2,044	190	4,059	6,293	7,472
July	759	118	300	1,177	2,061	180	4,373	6,614	7,791
Aug.	766	114	281	1,161	2,061	230	4,226	6,517	7,678
Sept.	760	123	254	1,137	2,065	235	2,786	5,086	6,223
Oct.	763	121	162	1,046	2,073	238	1,963	4,274	5,320
Nov.	763	129	148	1,040	2,083	255	1,418	3,756	4,796
Dec.	763	136	127	1,026	2,069	251	1,080	3,400	4,426
1971									
Jan.	760	133	95	988	2,066	252	1,062	3,380	4,368
Feb.	763	134	165	1,062	2,047	259	1,219	3,525	4,587
Mar.	775	129	182	1,086	2,050	260	1,342	3,652	4,738
Average	760	125	203	1,088	2,057	226	2,541	4,824	5,912

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Chapleau.....	37	36	69	88	112	124	134	123	129	156	155	171	160
Cochrane.....	24	25	36	33	57	67	69	90	89	92	80	83	96
Fort Frances.....	23	12	12	24	49	42	45	65	69	70	64	76	72
Geraldton.....	64	46	60	55	94	113	115	116	116	110	111	119	120
Gogama.....	39	37	47	35	56	67	65	86	92	...	...	...	...
Kapuskasing.....	40	36	36	39	62	72	69	65	69	68	64	70	112
Kemptville.....	...	...	...	...	...	...	...	...	...	...	...	...	12
Kenora.....	26	13	12	13	39	45	47	89	85	89	87	108	114
Lake Huron.....	...	...	...	...	...	...	...	24	23	24	22	23	24
Lake Simcoe.....	...	...	...	...	...	...	...	...	...	...	24	25	24
North Bay.....	38	26	36	34	73	113	121	113	115	111	113	120	120
Parry Sound.....	37	36	46	55	93	137	139	136	134	141	132	147	144
Pembroke.....	34	24	33	37	71	70	70	69	70	70	69	74	72
Sault Ste. Marie..	39	24	25	36	132	137	135	130	138	140	137	123	144
Sioux Lookout....	63	67	64	65	119	136	141	136	135	119	114	84	88
Sudbury.....	15	13	...	23	47	49	54	76	74	81	84	217	216
Swastika.....	39	49	48	57	113	138	140	137	139	210	205	146	144
Thunder Bay.....	26	24	48	40	98	116	113	114	110	112	136	163	204
Tweed.....	...	...	...	...	...	...	...	...	...	...	39	47	48
White River.....	49	35	47	47	85	93	94	89	88	113	108	115	120
TOTAL	593	503	619	681	1,300	1,519	1,551	1,658	1,675	1,706	1,744	1,911	2,034

The Junior Ranger Program was initiated in 1944 with a total of 21 boys attending camps in North Bay and Parry Sound Districts.

NORTHWESTERN REGION

Area Code 807 . Telephone

Office - 235 Bay Street,
Thunder Bay, Ontario 345-5481

Regional Director - L. Ringham 345-5481

Regional Program Manager -
Land Management

R. A. Baxter 345-5481

Regional Program Manager -
Outdoor Recreation

K. K. Irizawa 345-5481

Regional Timber Supervisor

J. F. Flowers 345-5481

Regional Scaling Supervisor

J. E. Peden 345-5481

Regional Safety Supervisor

J. B. Rorke 345-5481

Dryden Fire Centre

Area Code 807 Telephone

Office - Dryden Airport 937-5567

Fire Coordinator - R. V. Brady 937-5567

NORTHEASTERN REGION

		Office	Telephone Ext.	Res.
REGIONAL DIRECTOR	J.W. Lockwood, 92 Boland Av., Sudbury	674-8365	40	673-2112
Secretary	Marie Frawley (Miss) 284 Cedar, Apt. 8, Sudbury	674-8365	41	675-8553
Outdoor Recreation Manager	R.M. Christie 13 Lakeview Dr., Sudbury	674-8365	44	674-4059
Land Management Program Manager	G.A. McCormack 2049 Elderwood Dr., Sudbury	674-8365	43	566-6344
Regional Timber Supervisor	W.C. Stevens 202 Wembley Dr., Sudbury	674-8365	32	673-1265
Provincial Scaling Auditor	J. Butts 685 Camelot, Sudbury	674-8365	48	566-7857
Regional Fire Co-ordinator	J.L. Canfield Skead, Ontario	674-8365	30	969-2576
Senior Regional Auditor	J. Carswell 953 Churchill, Sudbury	674-8365	47	566-2309
Accident Control Supervisor	R.J. Mennenga 3304 Hwy. 69, Val Caron Box 697	674-8365	37	897-5569
Junior Regional Auditor	E.F. Wolters 1804 Rutherglen Cr., Sudbury	674-8365	46	566-3250

SOUTHERN REGION

Office 352 Yonge St. N.
Richmond Hill, Ontario
P.O. Box 540
884-9203

Regional Director:

A.H. Peacock 156 Kingsview Drive,
(Acting) (Site "H" Box 59) Bolton, Ontario
Home Telephone 857-2108

Secretary:

Mrs. Peg Handford
31 Gemini Rd. Willowdale, Ontario
Home Telephone 221-8346

Program Manager Land Management:

Fire Control Co-ordinator

B.T. Dunne
Apt. 603, 48 Laverock Av.,
Richmond Hill
Home Telephone 884-7863

Regional Planner

E.G. Wilson
42 Dexter Place, Markham, Ontario
Home Telephone 294-0623

Program Manager Outdoor Recreation:

W.H. Charlton

1 Fairway Rd. Islington, Ontario
Home Telephone 231-9931

Park Planner

John Bell
2 Southwell Drive, Don Mills
Home Telephone 447-5491

Regional Fisheries Supervisor

K.J. Chambers
251 Richmond St., Richmond Hill, Ontario
Home Telephone 884-5349

Regional Wildlife Supervisor

K.B. Dawson
183 Kennedy St. W., Aurora, Ontario
Home Telephone 727-5694

Regional Timber Supervisor:

W.D. Schafer

280 Rockway Crt. Newmarket
Home Telephone 895-7189

CHAPLEAU FOREST DISTRICT

	Area Code: 705	Telephone
OFFICE: 34 Birch Street, Chapleau		864-1710
Radio Room.....after hours		864-1711
Garage.....		864-1712
Chief Ranger.....after hours		864-1713
Air Service.....after hours		864-1714
Weigh Scales.....		864-0280
District Forester.....*G. P. Elliott.....		864-1029

SUPERVISORS

Accounts.....	L. Lingenfelter	864-0587
Fish and Wildlife.....	L. Penney.....	864-0488
Biologist.....	M. Lamothe.....	864-1325
Forest Protection.....	*J.R. Russell.....	864-1623
Lands.....	W. E. MacPhail	864-1146
Parks.....	T. Linklater.....	864-0859
Timber.....	*R. G. Lighthear.....	864-1613
Scaling.....	W. E. Prange.....	864-1491

CHIEF RANGERS

Chapleau.....	*J. P. King.....	864-1710(1826)
Foleyet	D. C. Jones	98
Sultan	G. Dingee	875(862)

DEPUTY CHIEF RANGERS

Operations Deputy.....	H. G. Kohls	864-1710(0108)
Lands & Parks Deputy....	J. G. Black.....	864-1710(1806)
Timber Deputy.....	G. F. McAuley.....	864-1710(1535)
Fire Deputy	R. N. Boyle.....	864-1710(0716)
Timber Deputy.....	R. H. Dunne.....	864-1710(1704)
Timber Deputy.....	J. M. Langlois.....	98(71)
Fire Deputy	J. E. L. Morin.....	98

NURSERY

Chapleau.....	M. E. Hawkins.....	864-1717(1547)
---------------	--------------------	----------------

PROVINCIAL PARKS

Five Mile Lake		864-1710
The Shoals.....		864-1710
Ivanhoe	Foleyet	98
Missinaibi.....		864-1710
Wakami.....	Sultan	875

*Duty Officers

COCHRANE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 140 Fourth Avenue, Cochrane 272-4365

District Forester.....*W.H. Forman 272-4365(4572)

SUPERVISORS

Accounts	F.W. Barnes	272-4365(4796)
Fish and Wildlife.....	S. Nodwell.....	272-4365(4869)
Forest Protection.....	*E. Gillespie	272-4365(5364)
Lands.....	F.M. Wright.....	272-4365(5206)
Parks.....	D.E. Stewart.....	272-4365(5233)
Timber.....	*J.B. Starr	272-4365(5278)
Scaling.....	E.B. McVeety.....	272-4365(5414)

CHIEF RANGERS

Cochrane	*A.C. Hutchinson.....	272-4365(5326)
Timmins	A.F. Papineau	264-1262(1678)

DEPUTY CHIEF RANGERS

Cochrane (Fire).....	W.J. Froude	272-4365
	Frederickhouse 1R2	
Cochrane (Timber).....	D. Shewen	272-4365(5435)
Cochrane (Lands)		
Cochrane (Fish).....	S. Harris.....	272-4365(4596)
Cochrane (General)	W.J. Davis	272-4365(4523)
Timmins (Fire).....	F. Shaver.....	264-1262(7789)
Timmins (Timber)	K. Wiskin.....	264-1262(0829)
Timmins (Lands).....	R. Wagner	264-1262(2669)
Timmins (Fish).....	D. Perry.....	264-1262(1716)
Timmins (General).....	J. Bond.....	264-1262(267-3574)
Smooth Rock Falls	K.C. Veitch.....	338-2771(2614)
Moosonee	B.A. Norris	336-2987(2549)

PROVINCIAL PARKS

Greenwater	Cochrane	272-4365
Kettle Lakes	P. Baxter.....	Connaught 3121
Tidewater	Moosonee	336-2563

*Duty Officers.

FORT FRANCES FOREST DISTRICT

Area Code: 807

Telephone
Office Home

OFFICE: 922 Scott Street, Fort Frances 274-5337

District Forester.....*R.A. Balkwill ... 274-5337 274-6293

SUPERVISORS

Accounts	A.R. Taylor.....	274-5337	274-9406
Fish and Wildlife.....	D.J. D'Agostini .	274-5337	274-6695
Biologist.....	A.R. Stasus.....	274-5337	274-6616
Forest Protection.....	S.O. Russell....	274-5337	274-7127
Lands.....	E. Fraehlich....	274-5337	274-9510
Parks.....	J.F. Wilson.....	274-5337	274-9502
Timber.....	T.E. Dodds.....	274-5337	274-6239
Scaling.....	M.G. Elliott	274-5337	274-3151

CHIEF RANGERS

Fort Frances	*J.A. Murphy	274-5337	274-5704
Atikokan	F. Dustak	6850	28568

DEPUTY CHIEF RANGERS

Fort Frances	A.J. Korpi.....	274-5337	274-6522
Fort Frances	S.V. Roberts....	274-5337	274-5680
Fort Frances	F.R. Dumeney...	274-5337	274-6534
Fort Frances	S.A. Kellar	274-5337	486-3626
Atikokan	W. Neculeac	6850	28562

UNIT FORESTER

Atikokan	A.G. Dougall....	2188	6266
----------------	------------------	------	------

PROVINCIAL PARKS

Caliper Lake	B.D. Onichuk ...		.....
	Nestor Falls	484-2181	
Lake of the Woods.....	E.T. McComb		
	Bergland.....	488-5531	274-6891
Quetico	C.R. Williams ..		
	Atikokan	6850	28563

*Duty Officers.

GERALDTON FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Beamish Avenue, (P.O. Box 640) Geraldton ..	854-1030
District Forester.....	*W.K. Fullerton..... 854-1030
Personnel Clerk	E.M. Magee

SUPERVISORS

Accounts	W.J. Martindale.....	854-1030
Fish and Wildlife	E.H. Stone.....	854-1030
Fisheries Mgt. Officer.....	J.A. Chappel.....	854-1030
Forest Protection.....	*J.F. Goodman.....	854-1030
Fire Control Officer.....	*W.E. Belisle	854-1030
Lands and Parks.....	A.F. Parker	854-1030
Asst. Lands & Parks.....	D.H. Elder	854-1030
Timber.....	L.J. Haas	854-1030
Scaling.....	L.W. Reid	854-1030

CHIEF RANGERS

Geraldton	J.K. Cleaveley	854-1600
MacDiarmid	R.J. Kincaid	67
Terrace Bay.....	B.J. Lapenskie.....	825-3205

DEPUTIES

Longlac	Headquarters.....	A.B. Johnson ... 876-2351
Nakina	Headquarters.....	E.L. Ecker 80
Geraldton	Headquarters.....	W. Clark 854-1600
Geraldton	Fire.....	E.D. Turner ... 854-1600
Geraldton	Timber	J.A. Bryant ... 854-1600
Geraldton	Lands, Parks	A. Hoshino 854-1600
Geraldton	Fish & Wildlife.....	W.J. Cook 854-1600
MacDiarmid....	Fire	L.R. Hutchinson. 67
MacDiarmid....	Timber	K.G. Horton 67
MacDiarmid....	Hqts. Lands, Parks.	W.L. Cox 67
Terrace Bay....	Hqts. Lands, Parks.	T.B. Scott..... 825-3205
Terrace Bay....	Fire.....	K.E. Bowlier... 825-3205

UNIT FORESTERS

Geraldton	G.T. Marek	854-1030
Geraldton	D.C. Offord	854-1030
Geraldton	D. Jovic	854-1030
Geraldton	D. Mihailovic	854-1030
Longlac	R.D. Fry	876-2351

BIOLOGISTS

Geraldton	B.H. Gibson	854-1030
MacDiarmid	L.G. Townes	67

PROVINCIAL PARKS

Blacksand	R.J. Kincaid -MacDiarmid..	12
Klotz Lake	J.K. Cleaveley -Geraldton ...	1R3
MacLeod	J.K. Cleaveley -Geraldton ...	854-0370
Neys	B.J. Lapenskie-Marathon ...	1R3
Rainbow Falls	B.J. Lapenskie-Terrace Bay..	824-2298
Rosspport Camp Grounds..	B.J. Lapenskie-Terrace Bay..	824-2294

*Duty Officers.

KAPUSKASING FOREST DISTRICT

Area Code: 705 (807)	Telephone
OFFICE: 5 Government Road, Kapuskasing.....(705)	335-6146
District Forester.....*D.A. Fawcett	335-5503

SUPERVISORS

Accounts.....R.W.E. Stone.....	335-3360
Fish and Wildlife.....M.R. Cusson.....	335-2438
Environmental Protection.*E.W. Everley.....	335-2994
Lands.....*A.J. McGoey.....	335-5062
Parks.....A.J. McGoey.....	335-5062
Timber.....*J.W. Lloyd.....	335-3886
Scaling.....J.R. Garlow	335-3225

CHIEF RANGERS

Kapuskasing.....B.J. Labonte	335-6321
Hearst.....L.G. Woods.....	362-5803
Hornepayne.....L.E. Grife.....	868-2582

DEPUTY CHIEF RANGERS

Kapuskasing.....I.A. Cameron.....	335-5545
Kapuskasing.....J.A. Millette	335-5410
Kapuskasing.....J.G. Duhaime	3341
Kapuskasing.....G. Page	335-6146
Hearst.....B.R. Blais	362-4924
Hearst.....E.J. Commanda	362-4979
Hearst.....J.H. Thompson	362-4981
Hearst.....V.R. Ahvonen	362-5696
Hearst.....M.J. Leclerc	362-4697
Hearst.....W.H. Therriault.....	362-5325
Hornepayne.....V.H. Wearn	868-2565
Hornepayne.....J.A. Macdonald	868-2392

PROVINCIAL PARKS

Nagagamisis.....C.A. McDonald	868-2303
Remi Lake.....J.L. Sigouin	335-6191

*Duty Officers.

KEMPTVILLE FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Provincial Government Bldg., Kemptville 258-3413
Nights, Holidays 258-2298
(Direct line from Head Office)

District Forester..... *D.R. Johnston..... 258-3413(5597)

SUPERVISORS

Accounts..... F.S. Bumstead..... 258-3413(2483)
Fish and Wildlife..... *D.A. Hagan..... 258-3413(5187)
Forest Protection.....
Lands.....
Parks..... *E.A. Green..... 258-3413(3209)
Timber..... *P.E. Anslow..... 258-3413(5166)

CHIEF RANGERS

Lanark..... D. Kennedy..... 259-2108(5328)
Ottawa-Carleton..... G.A. Gowdy..... 822-2525(774-5365)

DEPUTY CHIEF RANGERS

Alexandria (F & W)..... R. Ramsbottom... 525-2443(527-2102)
Lanark (F & W)..... H.C. Mulholland.. 259-2108(267-4260)
Lanark (Forestry)..... R.P. Schroeder... 259-2108(267-4987)
Ottawa (Forestry)..... M.E. Dillabough.. 822-2525(822-6762)
Ottawa (F & W)..... D.J. Jones..... 822-2525(821-1304)
Westport (F & W)..... C.D. Thompson.... 273-2106(2088)

EXTENSION AND MANAGEMENT SERVICES

Ottawa..... M. Schaefer (Forester)..... 258-3413(749-9325)
Kemptville.. A.J. Campbell (Forester)..... 258-3413(2523)
Alexandria.. B. Warwick (Forester)..... 525-2443(527-2094)
Lanark..... M. Millar (Forester)..... 259-2108(267-3167)
Kemptville.. H.A. McLeod (Biologist)..... 258-3413(3609)
Kemptville.. G.E. Raine (Biologist)..... 258-3413(2532)
Kemptville.. C.F. Coons (Farm Forester)..... 258-3413(2705)

FOREST MANAGERS

Eastern Unit..... R.J. Cleroux..... 487-2100(2172)
Southwest Unit..... R.A. Lessard.... 258-3151(926-2271)

FISH HATCHERY

Westport Pond Station J.D. McNee..... 273-2106(2123)

NURSERY

Kemptville..... *H.H. deVries..... 258-3413(3175)

PROVINCIAL PARKS

Fitzroy..... F.W. Irwin (Arnprior).... 623-5159(234-3572)
Rideau River.... J.R. Uens (Kemptville).... 258-2740(989-5611)
Silver Lake..... Maberly 9r31
South Nation Plantagenet 673-5072
Murphy's Point.. Perth 267-1741
Carillon..... A.L. Robinson..... St. Eugene 674-2825

* Duty Officers

KENORA FOREST DISTRICT

Area Code: 807 Telephone
Office Home

OFFICE: Provincial Government Building,
808 Robertson Street, Kenora 468-9841

District Forester J.R. Oatway 468-9841 468-5730

SUPERVISORS

Accounts	G. C. McChesney	468-9841	468-8190
Fish and Wildlife	D.M. Brooks ...	468-9841	468-9174
Forest Protection ...	M.J. Morison ..	468-9841	468-6110
Lands	G. Simons	468-9841	468-6289
Parks	A.A. Gordon....	468-9841	547-2893
Timber	D. L. Hagar.....	468-9841	468-8831

CHIEF RANGERS

Kenora	R. Paterick	468-6600	548-4314
Dryden	H. P. Endress ..	223-2341	223-5591

DEPUTY CHIEF RANGERS

Kenora	J.G. Mills.....	468-6600	468-7158
Kenora	R.H. Reynolds..	468-6600	468-8512
Kenora	A.W. Stone	468-6600	468-5106
Kenora	D.A. Philippi ..	468-9841	468-6013
Kenora	D.M.C. Lindstrom	468-6600	468-7864
Kenora	G. Warner.....	468-6600	548-4803
Dryden	M. L. Frenette ..	223-2341	937-5336
Dryden	M.W. Pletch ...	223-2341	937-4942
Dryden	E. Herrington ..	223-2341	223-4156
Dryden	W.J. Moore	223-2341	223-5293
Dryden	I.J. Riives	223-2341	223-5465
Sioux Narrows	D. L. Porlier ...	226-5668	226-5668

DRYDEN NURSERY

Superintendent	G.H. Kokocinski	938-6502	223-6992
----------------------	-----------------	----------	----------

PROVINCIAL PARKS

Aaron	938-6312
Blue Lake	227-2601
Rushing River	548-4351
Sioux Narrows	226-5223

LAKE ERIE FOREST DISTRICT

Area Code: 519 (416)

Telephone

OFFICE: 353 Talbot Street West, Aylmer West
 Aylmer (519) 773-9241
 District Forester..... *W.B.M. Clarke..... 773-9284

SUPERVISORS

Accounts	G.B. Fewings	773-8253
Fish and Wildlife	M.F. McKenzie.....	773-2375
Lands	R.C. Turner-St. Thomas...	631-9685
Parks	*K.A. Cameron.....	773-9828
Timber and Forest Prot.	*E.F. Johnston.....	773-3252

EXTENSION SERVICES

MANAGEMENT FORESTERS

Strathroy	J.A. Finland	245-0640
	London (Home)	438-7126
Dunnville	D.A. Scott..... (416)	774-5811
	Home(416)	774-5359
Aylmer.....	M.F. Thomson.....	773-9241

NURSERY

St. Williams	R.E. Laupert, Sup't. Pt. Rowan	586-3863
--------------------	---	----------

RESEARCH STATION

Fisheries Research Station	S.J. Nepszy-Wheatley	825-4171
----------------------------	---------------------------	----------

FISH HATCHERY

Normandale Fish Hatchery	W.A. Hooper	Simcoe 426-3142
	Home	426-0272

LAKE ST. CLAIR MANAGEMENT UNIT

Stoney Point	J.A. Byrne	682-0790
	Home	694-3610

PROVINCIAL PARKS

Holiday Beach.....	W.R. Jenkins, Amherstburg	736-3772
Ipperwash	B.L. Houck..... Thedford	296-4652
Long Point.....	T.L. Beck..... Port Rowan	586-2133
Pinery.....	M.J. Jackson Thedford	243-2220
Port Bruce and	Port Burwell	
Iroquois.....	P.A. Strassburger.....	874-4691
Rock Point, Selkirk	Selkirk	
and Jas. N. Allan	R.E. Madill.....(416)	776-2600
Rondeau	R.E. Chornopski Ridgetown	674-2137
John E. Pearce	R.E. Chornopski Ridgetown	674-2137
Turkey Point.....	J.W. Sulston..... Simcoe	426-3239
Wheatley	P.G. Wiper Wheatley	825-4761

* Duty Officers

LAKE HURON FOREST DISTRICT

Area Code: 519

Telephone

OFFICE: 101 Holiday Inn Drive, Hespeler..... 658-4655
(Direct Line From Head Office)

District Forester..... J.M. Halpenny..... 653-4798

SUPERVISORS

Accounts.....	H.W. Makcrow.....	658-4015
Fish and Wildlife.....	W.D. Mansell.....	824-6125
Timber, Forest Protection	R.N. Staley.....	632-7116
Lands and Parks.....	J.E. Collard.....	632-4463

EXTENSION AND MANAGEMENT SERVICES

Biologist	J.J. Armstrong...658-4655	(759-4386)
Biologist	H.D. Howell ....658-4655	(578-2405)
Biologist	S.A. Monroe ....658-4655	
Forester	R.C. Gilbert ....658-4655	(621-9383)
Forester	G. Murchison ....658-9356	(587-4005)
Forester	J. Christie.....376-3860	(376-1371)

DIVISION MANAGERS

Owen Sound	V.W. Fisk.....	376-3860
	Home	376-9391
Wingham	H.R. Lancaster.....	357-3131
	Home	371-1166
Hespeler	H.P. vanBers.....	658-9356
	Home	742-3214

FISH HATCHERIES

Chatsworth	P.H. Hartman.....	794-2340
Wiarton	B. Marchant	534-0770

PROVINCIAL PARKS

Craigleith	D. MacKay.....	445-4467
Cyprus Lake	G.E. Martelle.....	2263
Inverhuron.....	G.E. Brown.....	368-7510
Sauble Falls	S.D. Poelstra	422-1952
Point Farms.....		

LINDSAY FOREST DISTRICT

Area Code: 705 (416, 613)

Telephone

OFFICE: Ontario Government Building,
 322 Kent Street West, Lindsay..... 324-6121
 (Direct Line from Head Office)
 District Forester..... *A. E. Walroth..... 324-6121 L2

SUPERVISORS

Accounts	H. C. Wallwin.....	324-6121 L6
Fish and Wildlife	P. W. Swanson.....	324-6121 L26
Forest Protection.....	*B. B. Benson.....	324-6121 L12
Lands	J. R. Gilbert.....	324-6121 L14
Parks	*P. R. Davidson	324-6121 L31
Timber.....	*R. A. Lockhart.....	324-6121 L9
Scaling	W. E. Everett.....	324-6121 L11

CHIEF RANGERS

Minden	P. J. Cassidy.....	286-1521
Gooderham	W. Sarginson.....	447-2151

DEPUTY CHIEF RANGERS

Minden	G. A. Gostlin	286-1521
Gooderham	H. N. Bates	447-2151
Apsley.....	R. A. Cassidy.....	656-4361
Haliburton	S. A. Shields.....	457-2107

EXTENSION SERVICES

MANAGEMENT FORESTERS

Lindsay	E. D. Sutherland	324-6121
Lindsay	B. G. Cross	324-6121
Orono	J. D. Henson.....(416)	983-9147
Brighton.....	R. M. Rogers.....(613)	475-2204

NURSERY

Orono	W. R. Bunting.....	(416) 983-9147
-------------	--------------------	----------------

HATCHERIES

Codrington (Fish).....	A. H. Draves	(613) 475-2512
Codrington (Pheasant)....	E. R. Mound.....	(613) 475-0692
Deer Lake (Fish).....	J. M. Hunt.....	Havelock 778-3391

PROVINCIAL PARKS

Emily	O. G. Irwin.....	Omeme 799-5170
Balsam Lake.....	B. M. Duffin.....	Coboconk 454-3324
Darlington	J. A. Robertson	Oshawa (416) 723-4341
Presqu'ile	K. H. Moore..	Brighton (613) 475-2204
Serpent Mounds	D. G. Ward.....	Keene 295-6879

*Duty Officers.

MAPLE FOREST DISTRICT

Area Code: 416 (519, 705)

Telephone

OFFICE: R.R. 2, Maple.....Maple (416) 832-2261
Duty Officers..... 832-2262

District Forester..... F.E. Sider..... ext 218

SUPERVISORS

Accounts G.C. Bragg ext 215
Fish and Wildlife..... R.H. Trotter..... ext 211
Biologist..... A.A. Wainio..... ext 210
Lands W.M. Mitchell..... ext 224
Parks A.M. Harjula ext 222
Timber..... I.B. Earl..... ext 221
Forest Protection..... R.H. Smith ext 221

EXTENSION SERVICES

Biologist..... A.W. Smith..... ext 209
Farm Forester *J. Kekanovich..... ext 213
Management Forester.... D.C. McDermott..... ext 213

MANAGEMENT FORESTERS

Maple*J.D. Griffiths..... ext 220
Orangeville B.I. Thompson.....(519) 941-4370
Angus W.S. McNeice.....(705) 424-5312

DIVISION MANAGER

SRMU, Coldwater..... W.J. Lovering (705) 686-3342

TREE SEED PLANT

Angus C.H. Lane (705) 424-5311

NURSERY

Midhurst..... C.R. Groves (705) 728-2846

PROVINCIAL PARKS

Bass Lake W.W. Brown..... (705) 326-7054
Devils Glen L.W. O'Dell..... (705) 429-2516
Earl Rowe W. Braden..... (705) 435-7291
MacRae Point..... W. Barber
Mara..... (705) 326-4451
Sibbald Point..... W. Barber (416) 722-5182
Six Mile Lake..... G. Murphy (705) 686-3342
Springwater C.D. Jackson (705) 728-7393
Wasaga Beach..... L.W. O'Dell..... (705) 429-2516

*Duty Officers.

NORTH BAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Northland Trust Building,
222 McIntyre Street West, North Bay 474-5550
(P.O. Box 3070) (Direct line from Head Office)

District Forester..... D.J. Vance

SUPERVISORS

Accounts.....	J.E. Rogers	472-8426
Biologist.....	H.A. Orr..... Callander	752-2767
Fish and Wildlife.....	*M.R. Wolfe.....	472-7187
Forest Protection.....	*J.E. Anderson.....	474-4644
Lands.....	W.G. Turnbull.....	472-1744
Parks.....	*J.H. Lever.....	474-0864
Timber.....	*D.E. Honeyborne.....	472-0659
Scaling.....	V.M. Silver.....	
District Planner.....	E.E. Multamaki.....	474-9967
Field Safety Officer.....	A.G. Forest.....	474-3562

CHIEF RANGERS

North Bay.....	H.N. Whalen.....	472-9550
	Home	474-5645
Temagami.....	J.E. Rumney.....	569-3622
	Home	569-3215

DEPUTY CHIEF RANGERS

North Bay, Fire.....	J.A. Bedard.....	472-6056
North Bay, Timber.....	T.M. McCormick.....	472-4487
North Bay, Fish & Wildlife	W.J. Holmes.....	474-4942
Champlain.....	C.H. Laberge.....Mattawa	
	(Office & Home)	744-2276
Marten River.....	H.J. Edmundson.....	
	(Office & Home)	8R3
Haddo.....	P.J. McDonald Monetville	
	(Office & Res.) Noelville	898-2441
Temagami, Fire.....	H.G. Smith.....	569-3490
Temagami, Lands.....	R.V. Coulombe.....	569-3358
Temagami, Fish & Wildlife	.....
Temagami, Timber.....	I.J. Laba.....	569-3252

PROVINCIAL PARKS

Antoine.....	..... Mattawa	744-2251
Finlayson Point.....	G.C. Lockhart	
	..... Temagami	569-3205
Marten River.....	H.J. Edmundson.....	8R3
Samuel de Champlain.....	C.H. Laberge.....Mattawa	744-2276

FISH HATCHERY

Redbridge.....	N.B. Hollingsworth	
	Redbridge..... Office	663-2311
	Home	663-2282

*Duty Officers

PARRY SOUND FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 4 Miller Street, Parry Sound.....	746-2141
TIMBER OFFICE: 10 Miller Street, Parry Sound	746-5874
District Forester.....*J.S. Ball	746-8712

SUPERVISORS

Accounts.....	G. F. Walter	746-2389
Fish and Wildlife.....	C. W. Douglas	746-8622
Sr. Conservation Officer..	J. A. Macfie.....	746-8330
Biologist.....	G. K. Winterton.....	332-9904
Forest Protection.....	*D. Burns	746-2672
Fire Prevention Officer...*	C. R. Mumford	746-8916
Lands.....	T. H. Crowell	746-5513
Parks.....	W. R. Peck.....	746-8808
Park Naturalist	D. W. McLennan.....	746-9223
Timber.....	H. J. Henry	746-5900
Scaling.....	A. J. Tracy	746-8309
Personnel.....	W. S. Howson.....	746-5702
District Surveyor	D. E. Magee.....	746-2437

CHIEF RANGERS

Parry Sound.....	*J. A. Shalla	746-5825(9815)
Powassan	B. Petman.....	724-2007(3005)
Bracebridge.....	R. W. Tippet	645-5244(687-5464)

DEPUTY CHIEF RANGERS

Parry Sound.....	J. M. McEwen.....	389-2527
Powassan	E. R. Brooks.....	724-3043
Bracebridge	J. T. Matthews	645-2238
Dorset.....	J. S. Booker.....	746-2212(2253)
Loring.....	R. F. Kimberley.....	757-2040(2168)

EXTENSION SERVICES

MANAGEMENT FORESTERS

Parry Sound.....	P. W. Secker	746-2657
Powassan	A. D. Henderson.....	724-2908
Farm Forester.....	W. V. Hardy.....	746-9874
Bracebridge (Farm Forestry Technician).....	M. F. Salt.....	645-4607

PROVINCIAL PARKS

Grundy Lake.....	M. C. Kennedy.....	383-2369
Killbear Point	R. E. Brookland	342-5492
Mikisew	A. White.....	386-2271
Oastler Lake.....	G. W. McRoberts	378-2401
Restoule	J. Detta	729-5707
Sturgeon Bay	J. Campbell.....	366-2285
Arrowhead.....	R. H. Gemmill.....	789-5101

HATCHERY

Skeleton Lake.....	M. E. Beathune	769-3731
--------------------	----------------------	----------

*Duty Officers.

PEMBROKE FOREST DISTRICT

Area Code: 613 (705)	Telephone
OFFICE: 162 Agnes Street, Pembroke .....(613)	732-3661
Duty Officers.....	732-3664
District Forester .....T.W. Hueston	732-3661

SUPERVISORS

Accounts.....	G.N. McGeachy	732-3661
Fish and Wildlife		732-3661
Biologist.....	M.L. Wilton	732-3661
Forest Protection.....	*L.L. Bronson.....	735-6447
Lands.....		732-3661
Parks.....	W.C. Calvert	732-3661
Timber	*J.A. Simpson	732-9322
Scaling	J.H. Bingley	732-3661

CHIEF RANGERS

Pembroke	*R.N. Cousineau	732-3664(4106)
Whitney	H.W. Hanes.....(705)	637-2780
Stonecliffe.....	F. Mitchell	586-2604

DEPUTY CHIEF RANGERS

Pembroke	M.I. Mantifel	732-3664
Pembroke	A.E. Prange	732-3664
Whitney	M.L. Doney.....(705)	637-2780
Whitney	W.A. Lentz.....(705)	637-2780
Whitney	S.E. Cameron....(705)	637-2780
Stonecliffe.....	R.C. Bilsborrow.....	586-2604
Stonecliffe.....	B.J. Spencer.....	586-2604
Stonecliffe (Kiosk).....	S.J. McIsaac.....	586-2604
	Kiosk	841
Achray.....	J.R. Mask	584-2420
Round Lake.....	C.R. Buske...Killaloe	757-2507

EXTENSION SERVICES

MANAGEMENT FORESTERS

Pembroke	C.R. Gray.....	732-3661
Pembroke	S. Yorgandjioglou.....	732-3661
Pembroke	W.W. Wahl	732-3661
Pembroke	D.F. George	732-3661
Pembroke	W. Vonk	732-3661

PROVINCIAL PARKS

Algonquin	T.W. Hueston....(705)	633-5572(5542)
Bonnechere.....	.....Killaloe	757-2103
Carson Lake.....	.....Barry's Bay	131J3
Driftwood .....	.....Stonecliffe	586-2553

FISH HATCHERY

Pembroke	W.T. Marston Petawawa	687-5935
----------------	-----------------------	----------

*Duty Officers.

SAULT STE. MARIE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 875 Queen Street East (Rear),
Aerodrome Building, Sault Ste. Marie 949-1231
(Direct Line from Head Office)
After hours 949-1234
District Forester R. J. Bugar Residence 254-6523

SUPERVISORS

Accounts.....	G. J. Murray	254-3847
Fish and Wildlife	R. G. Bailey	949-4434
Biologist.....	C. H. Olver	254-5781
Biologist.....	P. Purych .....	.....
Forest Protection	*W. H. Forman	949-3572
Forest Protection Tech...	*R. P. Checkley .....	.....
Forest Research	A. G. Gordon	254-5342
Fisheries Research	C. A. Lewis	253-3442
Lands	J. M. Small	253-6933
Parks	G. M. Connell .....	.....
	..... Bruce Mines	785-3458
Timber	*W. C. Stevens	253-8397
Scaling	M. V. Osborne	254-1685

CHIEF RANGERS

Sault Ste. Marie	C. E. Tregonning.....	253-0491
Blind River	G. O. Koistinen .....	.....
Thessalon	C. F. Husk	842-2718

DEPUTY CHIEF RANGERS

Sault Ste. Marie	L. G. Bell	254-1774
Sault Ste. Marie	L. J. Pigeon	253-1952
Blind River	G. N. Gibson	356-2392
Blind River	H. J. Stoneman	356-7998
Kirkwood	D. W. Hemphill Thessalon	842-3130
Kirkwood	I. E. Seabrook Thessalon	842-5723
Kirkwood	C. W. Stoneman Thessalon	842-5643
Pancake Bay	W. R. Simms Batchawana	2317
Mount Lake	G. R. Murray Iron Bridge	356-7654
Ranger Lake	A. R. McClelland	254-7660
Elliot Lake.....	C. J. Osborne Office	.....
	Blind River	356-2234
Peshu Lake	D. C. Vaughan, Echo Bay.	37R2

NURSERY

Thessalon.....	W. Stoneman	842-5643
----------------	-------------------	----------

PROVINCIAL PARKS

Batchawana	W. R. Simms, Batchawana	2317
Mississagi	C. J. Osborne, Elliot Lake	848-2741
Pancake Bay	W. R. Simms, Batchawana	2317

*Duty Officers

SIoux LOOKOUT FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Box 309, Sioux Lookout..... 737-1140
 District Forester..... *F.L. Hall..... 737-2763

SUPERVISORS

Accounts.....	D.W. Munch.....	737-2892
Fish & Wildlife	C.E. Perrie.....	737-1562
Biologist.....	M.E. Buss.....	737-1729
Biologist.....	J.C. Williamson.....	737-1316
Biologist.....	S. Crooks.....	737-2824
Forest Protection.....	*E.W. Bouchey.....	737-3622
Fire Control Officer.....	*D.R. Williams	737-3064
Lands	J.R. Morton.....	737-1637
Parks.....	C.R. Biggar	737-2511
Timber.....	J.A. Waddell.....	737-1456
Management Forester....	E.D. Berry	737-1539
Management Forester....	J. Pohanka.....	737-2961
Management Forester....	J.S. Miller.....	737-9903
Scaling.....	W.O. Hansson	737-9903

CHIEF RANGERS

Sioux Lookout.....	G.M. Fenelon.....	737-1730
Red Lake.....	S.A. Sprager.....	568(22)
Ignace.....	M.P. Barker.....	934-2233(2285)
D.C.R. i/c Pickle Lake..	F.E. Brown.....	3051

DEPUTY CHIEF RANGERS

Sioux Lookout	G.A. Baverstock.....	737-1229
Sioux Lookout	C.W. Clark.....	737-3099
Sioux Lookout	R.J. Landry.....	737-2515
Red Lake	L.T. Anderson.....	568(388M)
Red Lake	C.G. Williams.....	568(114W3)
Red Lake	P.G. Veitch.....	568(185W)
Ignace	R.P. Checkley.....	934-2233
Ignace	C.W. Rogerson.....	934-2233(2379)
Ignace	W.G. Davenport.....	934-2233(2243)
Ear Falls .....	.....	222-3065

PROVINCIAL PARKS

Pakwash.....	S.A. Sprager.....
Ojibway.....	G.M. Fenelon.....
Sandbar Lake.....	M.P. Barker.....

* Duty Officers.

SUDBURY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 174 Douglas Street West, Sudbury..... 673-1111
 (Direct line from Head Office)
 District Forester..... S.R. Hamilton 855-4646

SUPERVISORS

Accounts	G.A. Jennings	673-1973
Fish and Wildlife	C.F. Bibby	675-7815
Biologist	K.P. Morrison	673-9802
Biologist	G.M. Stassen	673-7319
Forest Protection	*L.G. Ridsdill	675-6660
Lands	E.N. Arbuckle	855-2927
District Planner	L.S. McCoy	674-9352
Parks	L.R. Davey	673-1012
Timber	D.E. McHale	566-4918
Scaling	L.C. Mantle	673-0341

CHIEF RANGERS

Sudbury	*W. Wetow	673-7458
Skead	J.R. Morin	969-4384
Espanola	B.T. Cannon	869-1973
Gogama	C. Dionne	15

DEPUTY CHIEF RANGERS

Sudbury	L. Collard	897-5143
Sudbury	G. Van Horn	675-5815
Skead	K. Cleary	673-2775
Espanola	F.W. Noble	869-1569
Espanola	W. Piche	869-1675
Massey	E.A. Hansson Spanish	844-2880
Windy Lake	D.H. Kohls Levack	966-2315
Jamot	W. Sarginson Rutter	857-2004
Gogama	R.A. Carriere	148
Gogama	R.A. Beauchamp	60
Gogama	D.S. Stewart	137

NURSERY

Gogama	F. Free	82
--------------	---------------	----

HATCHERY

Sandfield	G.A. Clark11-R-21
-----------------	------------------	----------

PROVINCIAL PARKS

Chutes	E.A. Hansson Spanish	844-2880
Fairbank		
Killarney	L. Drolet	
Windy Lake	D.H. Kohls Levack	966-2315

* Duty Officers

SWASTIKA FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Swastika	Swastika	642-3222
District Forester	*E. Markus ... Kirkland Lake	567-4071

SUPERVISOR

Accounts.....	W.C. Johnstone	642-3964
Fish and Wildlife	J.F. Gardner .....Swastika	642-3489
Biologist.....	L.C. Chamberlin.....	567-3023
Forest Protection....	*W.G. Taylor.. Kirkland Lake	567-3569
Lands	J.M. McDougall	
	..... Kirkland Lake	567-4732
Parks	H. Mattson.... Kirkland Lake	567-4054
Timber	G. Brown..... Kirkland Lake	567-6983
Scaling	K. Alexander Swastika	642-3956

CHIEF RANGERS

Swastika	*L. E. St. Pierre.....	642-3211 (567-4673)
Matheson	N.B. Pigeon	119(1416)
Elk Lake.....	G. O. Koistinen.....	678-2241 (678-2281)

DEPUTY CHIEF RANGERS

Swastika Division.....	642-3211
Fire Deputy.....	E. C. Borden..... 642-3420
Timber Deputy.....	M. C. Mitchell Englehart 544-7619
Service Deputy	W. B. Hill Englehart 544-7582

Matheson Division	119
Fire Deputy.....	B. A. Milburn.....
Timber Deputy	R. R. Dennis 302
Service Deputy	E. Dew..... 421

Elk Lake Division:		
Fire Deputy	D. W. Butler	Elk Lake 678-2276
Timber Deputy	B. A. Hughes.....	Englehart 544-2855
Service Deputy	A. Thib	Gowganda 2341
		Englehart 544-2592
Englehart.....	L. J. Wickware.....	544-2331
		(544-2452)

NURSERY

Swastika.....	L. J. Forcier.....	Swastika 642-3255
		642-3383

FISH HATCHERY

Hill Lake	P. Graf	Englehart 544-2834
-----------------	---------------	--------------------

PROVINCIAL PARKS

Esker Lakes	O. Ranta	Swastika 624-3211
		Kirkland Lake 567-6760
Kap-Kig-Iwan	R. L. Hack....	Englehart 544-2050 (7526)

* Duty Officers

THUNDER BAY FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: 14 North Algoma Street, Thunder Bay "P" ... 345-6543
(Direct Line from Head Office)
District Forester L. M. Affleck 344-8695

SUPERVISORS

Accounts	J. D. Chadwick	767-1564
Fish and Wildlife	C. A. Elsey	344-0501
Biologist	H. R. Timmerman	344-4049
Forest Protection	J. E. Barnes	344-9454
Lands	J. L. Hamill	577-3458
Parks	E. Diamond	344-9011
Timber	J. E. Hamilton	344-2348
Scaling	A. G. Strey	344-8666
Forest Research	N. F. Lyon	345-7167

CHIEF RANGERS

Thunder Bay	D. O'Grady	345-6375
Armstrong	J. B. Monteith	129
Shebandowan	G. C. Murray	344-2001

DEPUTY CHIEF RANGERS

Thunder Bay (F & W)	A. A. Martin	344-0126
Thunder Bay (Fire)	V. Hansen	344-8726
Thunder Bay (Timber)	G. Clermont	577-5884
Thunder Bay (Operations) ..	N. Small	344-5116
Armstrong	A. VanRooyen	38
Shebandowan (Fire)	R. Leggett	
Shebandowan (Timber)	R. M. Clark	622-2056
Upsala	R. Cockerline	34
Nipigon	B. G. Wall	887-2114

UNIT FORESTERS

Port Arthur	A. Simunovic	683-8651
Fort William	R. G. Klein	345-1743
Armstrong	J. M. Auld	345-9486
Shebandowan	G. Wright	345-2924

NURSERY

Thunder Bay	A. Wynia	577-5515
-------------------	----------------	----------

PROVINCIAL PARKS

Inwood	A. Van Eck	577-1402
Kakabeka Falls	G. Whitefield	683-8896
Middle Falls	T. Hill	Pigeon River 24R3
Sibley	E. Murphy	

* Duty Officers.

TWEED FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Metcalfe Street, Tweed 478-2330

District Forester D.E. Gage 478-3122

SUPERVISORS

Accounts	J.A. Vance	478-5268
Fish and Wildlife	R.E. Whitfield .. Belleville	967-1620
Biologist	W.F. Cheshire	478-3437
Forest Protection	D.D. White	478-2046
Lands	L.G. Rowson	478-2527
Parks	W.H. Cantelon	478-3111
Timber	W.W. Hiscock Madoc	473-2538
Farm Forester	W.M. Fasken	478-3820
Scaling	W.F. Caverley	478-3148
Surveyor	D.E. Norris	478-2736

CHIEF RANGERS

Tweed	J.J. Shalla	478-2338 (2641)
Dacre	G.M. Samells ..	649-2418 (432-2602)
Bancroft	O. Goodman	332-3940 (2017)
Napanee	E.W. Ferguson ...	354-3389 (2287)

DEPUTY CHIEF RANGERS

Tweed	D. Mumford	478-2338 (5884)
Dacre .....	.....	649-2418 (432-5256)
Bancroft, S.	E. Card	332-3940 (2232)
Bancroft, N.	R.B. Little	332-3940
White Lake	H.E. Clark	335-2115 (279-2408)
Palmer Rapids	R. Musclow	758-2020 (2724)

MANAGEMENT FORESTERS

Tweed	J.A. Johnston	478-2330 (3396)
Dacre	G.C. Felton	649-2418 (432-2548)
Bancroft	F.J. Walker	332-3940 (1435)
Napanee	E. Edson	354-3389 (549-0359)

FISH HATCHERY

White Lake	K.L. Steele	335-2115 (2074)
------------------	-------------------	-----------------

FISHERIES RESEARCH STATION

Glenora	W.J. Christie	476-2400 (2084)
---------------	--------------------	-----------------

PROVINCIAL PARKS

Black Lake	H.E. Clark	
	Sharbot Lake .	335-2814 (335-2814)
Bon Echo	W.J. Miller	336-2228 (2660)
Lake St. Peter	O. Goodman	332-3940 (2017)
Outlet Beach	R.J. Davison	393-3314 (2007)
Sandbanks	G.E. Cox	393-3028 (3914)
North Beach	G.E. Cox	399-2030 (3914)
Lake-on-the-Mountain	R.J. Davison	393-3314 (2007)

WHITE RIVER FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: 200 Winnipeg Street, White River 822-2250

District Forester A.S. Holder 822-2250 (2143)

SUPERVISORS

Accounts	D.D. Bird	822-2250 (2347)
Fish and Wildlife	E.A. Pozzo	822-2250 (2544)
Forest Protection	*W. Kitt	822-2250 (2188)
Parks	J.J. Sargent	822-2250 (2218)
Timber	*R.P. Dalton	822-2250
Scaling	W.R. Doyon	822-2250 (2169)
Planning	R.M. Monzon	822-2250 (2489)
Lands	E.V. Uhler.....	822-2250 (2580)

CHIEF RANGERS

White River.....	*R. Paterick.....	822-2253 (2220)
Wawa	A.J. Bull.....	856-2445 (7324)

DEPUTY CHIEF RANGERS

White River.....	K. Fuller	822-2253
Manitouwadge.....	R.J. Fillmore.....	826-3225
White River Lands & Parks	T.J. Leveque.....	822-2253 (2490)
Wawa	C.R. Petrosky.....	856-2120 (2460)
Wawa	J.D. Schreiber.....	856-2120 (7132)

UNIT FORESTERS

White River.....	D. Galley	822-2253
Wawa	H. Griffin.....	856-2120 (7191)
Wawa	J.H. Broderick.....	856-2120 (7059)

PROVINCIAL PARKS

Lake Superior Park		
-Red Rock Lake H.Q. ...	E.M. Montgomery..	856-2284
	Sault Ste. Marie	256-5518
-Agawa Bay H.Q.	G.R. Broad.....	312 (3414)
White Lake Park	G. Tabobondune....	1-R-11
Obatanga.....		

*Duty Officers.

THE ONTARIO FOREST TECHNICAL SCHOOL

Area Code: 705

Telephone

DORSET 766-2242

Acting Director V.B. Collins 766-2335
B.A., M.S.A.

Accountant W.A. Chambers Carnarvon 489-2219

A/Accountant H.G. Wagner 766-2261

Maintenance Supt. E.W. Hayward 766-2304

Chef. T.G. Wright Minden 286-1784

FACULTY

J.E. Dickenson Huntsville 789-2723
B.Sc.F., R.P.F.

V.B. Collins 766-2335
B.A., M.S.A.

D.L. Lillow 766-2238

NEW POLICIES

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

SERVICES BRANCH

At the re-organization of the Department in June, 1941, the Division of Operation and Personnel was established as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

P. O. Rhynas was transferred from the Department of Labour to organize an efficient concentration of services as Chief of the new Division.

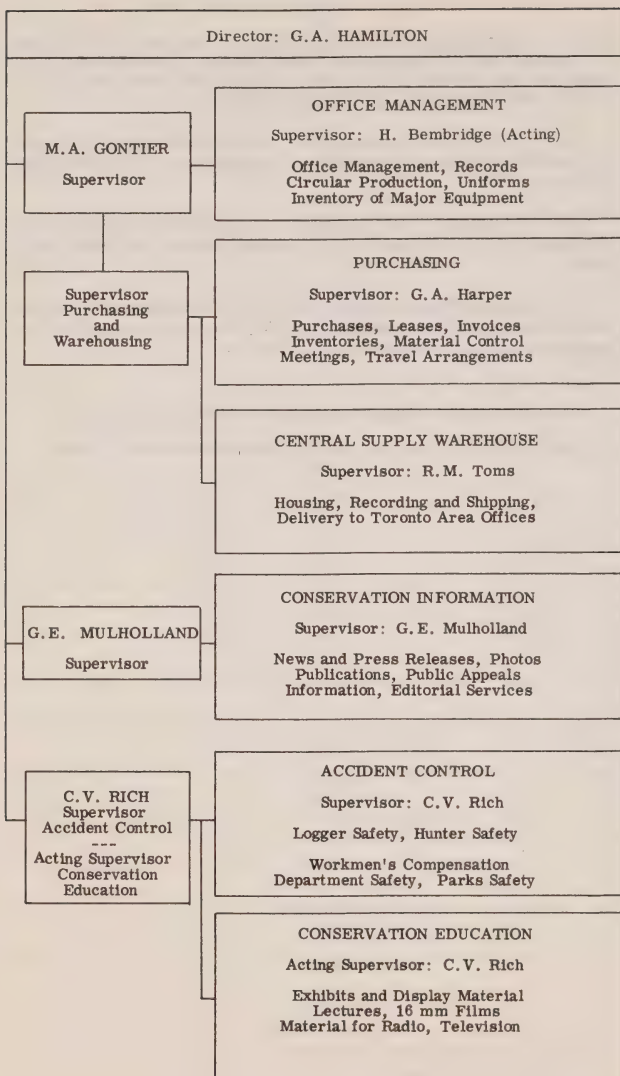
Operations was formed as a Division on December 1, 1957, with the separation of Personnel, and re-named Branch on December 1, 1959.

The sixth section, Accident Control, was formed when the Department assumed responsibility for the administration of The Loggers' Safety Act on November 20, 1964.

G. A. Hamilton was appointed Chief on February 1, 1969.

The branch was renamed Services Branch on April 1, 1971.

SERVICES BRANCH



HUNTER SAFETY TRAINING PROGRAM*

<u>Year</u>	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		
	<u>at December 31</u>	<u>Yearly</u>	<u>To Date</u>	<u>Non Fatal</u>	<u>Fatal</u>	<u>Total</u>
1957	369	281	281	...	..	...
1958	1,433	1,668	1,949	...	..	...
1959	2,690	2,780	4,729	...	..	...
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965	3,075	17,577	102,611	100	11	111
1966	2,500	19,342	121,953	117	13	130
1967	1,741	16,349	138,302	99	13	112
1968	904	9,645	147,947	86	10	96
1969	1,142	12,957	160,904	116	13	129
1970	1,137	13,075	173,979	70	8	78
1971	1,162	15,601	189,580	68	14	82**

*Mandatory for new hunters since September 1st, 1960.

**Complete details of accidents in Ontario Hunting Casualty Report 1971.

WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944	\$ ..... \$	.....	\$ ..... \$	12,850	98	\$...
1945	.....	.....	.....	14,540	120	...
1946	.....	.....	.....	14,249	129	...
1947	.....	.....	.....	21,560	182	...
1949	.....	.....	.....	35,989	494	...
1950	.....	.....	.....	50,989	501	...
1951	.....	.....	.....	43,951	394	...
1952	.....	.....	.....	54,158	368	...
1953	.....	.....	.....	51,169	417	65
1954	.....	.....	.....	64,693	494	78
1955	.....	.....	.....	63,357	455	69
1956	.....	.....	.....	106,962	910	78
1957	.....	.....	.....	85,159	588	80
1958	.....	.....	.....	101,376	727	77
1959	.....	.....	.....	132,572	874	98
1960	.....	.....	.....	150,709	687	139
1961	.....	.....	.....	130,210	649	106
1962	16,531	.....	.....	120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96
1966	2,433	11,382	2,489	144,673	567	118
1967	3,083	19,026	9,396	171,315	588	159
1968	8,257	27,876	9,292	216,785	716	200
1969	1,309	26,236	10,141	248,381	759	187
1970	2,057	13,708	18,319	225,320	754	148
1971	8,882	7,162	14,666	262,825	915	131

*Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

ILLUSTRATED PUBLIC LECTURES in years ending March 31st.

YEAR	MEETINGS			ATTENDANCE				Average Attendance
	School	Public	OFA*	Total	School	Public	OFA*	
1946-55	7,748	9,177	3,995	20,920	756,384	797,858	580,714	102
1956	1,076	1,402	703	3,181	90,540	107,746	56,394	80
1957	1,261	1,710	674	3,645	93,672	127,174	68,758	79
1958	972	1,708	538	3,218	67,013	97,334	68,832	72
1959	831	2,196	409	3,436	68,146	124,703	40,430	68
1960	1,094	2,715	484	4,293	92,794	158,682	61,056	73
1961	1,026	3,198	401	4,625	80,015	187,686	48,756	68
1962	808	2,533	406	3,747	63,957	164,119	58,442	76
1963	771	2,266	374	3,411	60,788	165,017	46,860	80
1964	877	2,095	398	3,370	72,773	159,968	42,267	82
1965	949	2,165	220	3,334	91,184	145,965	15,915	76
1966	1,091	1,694	297	3,082	100,555	120,492	19,721	78
1967	786	1,790	1,069	3,645	81,389	128,113	29,965	66
1968	892	1,380	836	3,108	96,371	113,423	29,254	77
1969	855	1,308	987	3,150	89,970	137,069	21,175	78
1970	776	1,382	885	3,043	64,528	115,779	23,337	67
1971	757	1,143	910	2,810	80,304	69,852	26,958	63
Total:	22,570	39,862	13,586	76,018	2,050,383	2,920,980	1,238,834	82

*Lectures given by Ontario Forestry Association.

INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

Years Ending 31st March	No. Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	* Letters of			ADVERTISEMENT			PRINTED MATERIAL		
					Enquiry Answered	Adminis- tration	Conser- vation	PUBLI- CATIONS	Tons of Supp- lies	Licences	Parks Permits	Publi- cations	
1947	25	.....	.....	8	4,200	508	65	53	..	.....	.....	.....	.....
1958	26	.....	.....	13	6,900	...	..	53	..	.....	.....	.....	.....
1949	28	.....	.....	15	7,700	130	57	72	150	701,450	.....	.....	.....
1950	28	.....	1,800	38	8,065	60	44	72	160	774,470	.....	.....	.....
1951	38	.....	1,800	64	7,200	127	43	72	170	802,900	.....	.....	.....
1952	56	.....	1,800	64	8,100	57	39	56	175	868,300	.....	.....	.....
1953	73	750	2,100	68	9,000	74	27	55	176	910,480	.....	.....	.....
1954	89	750	1,800	75	9,000	57	36	72	200	1,005,000	.....	.....	.....
1955	119	750	3,500	75	7,000	103	45	77	470	1,055,299	.....	.....	.....
1956	159	1,000	4,500	75	8,400	99	55	74	...	1,120,654	.....	.....	.....
1957	178	1,500	6,000	75	10,800	112	53	82	488	1,154,000	.....	.....	.....
1958	208	1,500	9,000	75	14,600	93	52	79	350	1,212,920	271,600	.....	.....
1959	226	1,800	9,200	75	21,010	139	54	76	218	1,279,067	300,000	1,941,819	.....
1960	226	1,900	9,000	75	26,000	140	55	83	377	1,260,917	300,000	2,124,688	.....
1961	234	2,000	9,000	75	29,200	50	49	86	308	1,363,712	689,000	1,155,151	.....
1962	250	3,000	9,000	75	30,000	52	44	89	253	1,392,043	825,900	1,196,414	.....
1963	260	3,700	9,000	75	30,300	150	50	84	228	1,432,902	1,000,850	1,442,523	.....
1964	260	3,800	9,200	75	32,000	178	50	72	247	1,542,810	1,057,730	1,918,841	.....
1965	255	3,800	9,200	75	33,000	161	50	73	246	1,581,980	1,125,725	2,211,227	.....
1966	255	4,200	9,500	75	34,500	146	30	77	217	1,669,084	1,058,325	2,082,753	.....
1967	233	4,700	9,500	75	35,300	228	30	80	...	1,756,000	851,800	2,281,501	.....
1968	255	5,200	9,500	80	35,900	225	20	79	244	2,000,000	851,800	3,079,264	.....
1969	257	5,500	9,500	80	36,200	171	20	87	260	2,100,000	851,700	3,273,517	.....
1970	276	7,000	9,500	80	36,500	...	16	91	277	2,400,000	998,900	3,384,625	.....
1971	274	7,465	9,000	80	37,000	...	16	90	267	2,450,000	1,220,550	3,342,788	.....

* Information supplied by mail.

LANDS AND FORESTS PUBLICATIONS*

as of March 31, 1972

Code

WF

WILDLIFE, FUR

1	The White-Tailed Deer in Ontario	
2	The Moose in Ontario	
3	Wolves and Coyotes in Ontario	
4	Ontario Mammals.	\$0.50
5	The Beaver in Ontario	
6	Ontario Snakes	\$0.50
7	Ontario Turtles	
8	Big Game Seasons (provisional advance summary)	
9	Ontario Hunting Regulations (summary)	
10	Ontario Trapping Regulations (summary)	
11	The Game and Fish Act and The Endangered Species Act	

FF

FISH, FISHERIES

1	Sport Fishes of Ontario (wall chart)	\$1.00
2	Fishes of Ontario.	\$2.50
3	The Fisheries of Lake Simcoe	\$1.00
4	Common Parasites of Ontario Fishes	
5	Ontario Fishing Regulations (summary)	
6	Division of Waters and Fish Sanctuaries in Ontario	
7	About Mercury in Fish	

OR

OUTDOOR RECREATION

1	The Ontario Outdoorsman's Manual	\$0.25
2	Let's Go Fishing	
3	How to Survive in the Woods	
5	Hunter's Handbook, Part I	\$0.50
6	Hunter's Handbook, Part II	\$0.75
7	How to Qualify for a Hunting Licence in Ontario	
8	The Ten Commandments of Hunter Safety	

RA

RECREATION AREAS

1	Ontario Provincial Parks	
2	Algonquin Provincial Park	
3	Wildlife Management Areas in Ontario	
4	Ontario Provincial Fishing Areas	
5	Quetico Provincial Park	
6	Canoe Routes --- Quetico Provincial Park	
7	Canoe Routes --- North Georgian Bay Recreational Reserve	
8	Canoe Routes --- Northern Ontario	\$0.50

LW

LAND AND WATER

1	Stream Improvement	
2	Price list of maps, plans, survey records	
3	Ontario Resources Atlas	\$1.00
4	Geographic Townships in the Province of Ontario. .	\$0.50
5	Fish Farming	
6	Wildlife Land Management for Ontario Landowners	

*The list does not include scientific papers, management reports, training manuals, reference texts, and information leaflets.

EP ENVIRONMENTAL PROTECTION

- 1 The Forest Fires Prevention Act
- 2 Common Pests of Evergreen Trees in Ontario
- 3 Tower Jack
- 4 Leave Nothing Behind But

FW FORESTS, WOODLOTS

- 1 The Forest Trees of Ontario \$0.50
- 2 The Hardwood Trees of Ontario \$0.50
- 3 The Forest Resources of Ontario \$0.75
- 4 Growing Christmas Trees in Ontario
- 5 The Farm Woodlot \$0.50
- 6 The Farm Windbreak
- 7 Forest Tree Planting \$0.50
- 8 Private Land Forestry Service
- 9 Planning for Tree Planting
- 10 Care and Planting of Forest Trees

FI FOREST INDUSTRY

- 1 Lumber in Ontario
- 2 Out of the Woods
- 3 The Loggers' Safety Act
- 4 Report of the Forestry Study Unit, 1967 \$1.50

RS RESEARCH, SCIENCE

- 1 The Glackmeyer Report of Multiple Land-Use
Planning \$4.00
- 2 Manual of Common Parasites, Diseases and
Anomalies of Wildlife in Ontario \$4.00
- 3 The Ecology of the Timber Wolf in Algonquin
Provincial Park \$2.00
- 4 A Manual for the Identification of Hairs of
Selected Ontario Mammals \$2.00

HR HISTORY, REPORTS

- 1 Annual Report of the Minister of Lands and Forests
- 2 Statistics (supplementary to Annual Report)
- 3 Publications
- 5 Algonquin Story \$2.50
- 6 Fifty Years of Reforestation in Ontario \$0.50
- 7 Renewing Nature's Wealth, a centennial history of
the public management of lands, forests and
wildlife in Ontario.
Sold by book stores and distributors: Copp Clark
Publishing Company, 517 Wellington Street West,
Toronto 135, Ontario \$9.50
- 8 Does Nature Have A Chance?

FDH FOREST DISTRICT HISTORIES

- | | | |
|-----------------|----------------|---------------------|
| 1 Kapuskasing | 9 Lake Erie | 17 Kemptville |
| 2 Geraldton | 10 Kenora | 18 Lindsay |
| 3 Lake Huron | 11 Gogama | 19 Tweed |
| 4 Port Arthur | 12 Parry Sound | 20 Sault Ste. Marie |
| 5 White River | 13 North Bay | 21 Sudbury |
| 6 Sioux Lookout | 14 Cochrane | 22 Pembroke |
| 7 Lake Simcoe | 15 Swastika | |
| 8 Fort Frances | 16 Chapeau | |

NEW POLICIES

[illegible]

NEW POLICIES

[illegible]

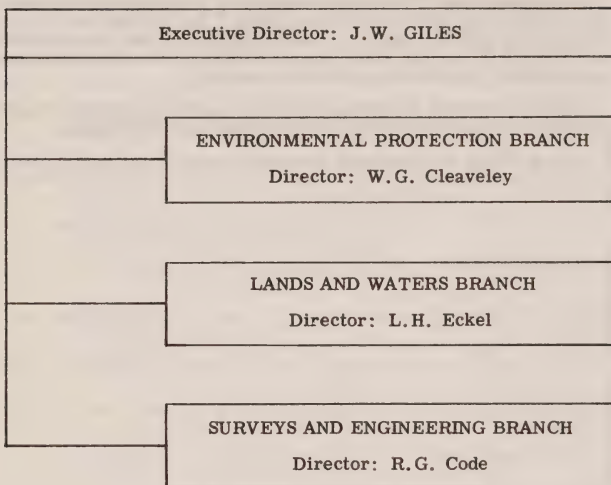
LAND MANAGEMENT DIVISION

Land Management Division is concerned with the management of land and water resources both as a habitat for man and as the base for a wide variety of uses. Responsibilities include the allocation and control of land and water use, protection of the environment and inter-agency cooperation in land management.

Environmental Protection Branch, Lands and Waters Branch and Surveys and Engineering Branch make up this division.

J.W. Giles was appointed Executive Director on April 1, 1971.

LAND MANAGEMENT DIVISION



ENVIRONMENTAL PROTECTION BRANCH

The first forest protection legislation was placed in the Ontario Statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire". This Act led to the establishment in 1885 of Ontario's first system of fire ranging. This became the first working system of organized forest fire protection in North America.

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the "father of forest protection". His extensive report on forest fire losses on March 30th, 1885, resulted in the establishment of the forest protection system under the Woods and Forests Branch in 1885.

Under this system fire rangers were appointed and placed on licensed Crown Lands with the expenses shared by the Crown and Licensees. In the annual report for 1886, Mr. White stated: "Last year was the first year of an experiment which was found to work in a satisfactory manner to the Department as well as to the licensees .. the net expense to the province was under \$8,000. Mr. White asked for \$8,000. for his new budget.

In 1900 the Act was amended to provide for placing fire rangers on unlicensed Crown Lands at public expense. The amendment also required the appointment of fire rangers on licensed areas whether requested by the licensee or not, one half of the costs to be borne by the Department and one half by the licensee. This was a major step in that all Crown Lands became subject to forest fire regulations.

In 1910 Licensees were assessed full costs of fire ranging on limits. The Crown Timber Act of 1917 established the fire tax, an annual per-acre protection charge on Crown Lands.

Following disastrous fires in 1916, The Forest Fires Prevention Act was amended in 1917 to provide greater control over the use of fire and became the basis of present legislation.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position filled by E. J. Zavitz. In 1924, the Provincial Air Service was established.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively.

T.E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957.

J.M. Whalen was appointed Chief on June 14, 1963.

W.T. Foster was appointed Chief on November 20, 1967.

Departmental reorganization on April 1, 1971 changed the name to Environmental Protection.

W.G. Cleaveley was appointed Director on January 1, 1972.

ENVIRONMENTAL PROTECTION BRANCH

Director: W: G: CLEAVELEY

FOREST PROTECTION SECTION

Supervisor: L. Sleeman

Fire Prevention and Control
Forest Insects and Disease
Communications System

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T. C. Cooke

Aircraft Operation
Aircraft Maintenance
Selection and Development of Equipment

ENVIRONMENTAL QUALITY CO-ORDINATOR

Q. F. Hess

FOREST PROTECTION SECTION

Beginning in 1885 there has been a long record of achievement in forest protection.

In 1917 the process of mechanizing fire control began with the acquisition of four portable fire pumps. A new era in fire detection started with the erection of a number of steel lookout towers in 1922. This same year, aircraft were also used for the first time specifically for detection of fires and transportation of fire fighters.

The first organized radio communication was established in 1927 in the Red Lake area following earlier experimental use at Sudbury in 1924. In 1935 V. H. F. radio equipment was installed in towers. In 1939 several aircraft were fitted with radio. By 1949 the province-wide network was completed with the "key" station at Maple.

The first aircraft water bombing experiments were carried out in 1944 followed by subsequent improvements in 1945, 1950, 1957 and 1966 advancing the technique to its present important application in fire control.

A helicopter was used in 1946 for the first time for forest protection purposes; by 1953 helicopters were in regular use.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

The bad fire years of 1955 and 1961 resulted in modern large scale attack on fires featuring careful co-ordination over wide areas, high mobility of resources and extensive use of aircraft.

In 1962 a comprehensive new fire control training program was established in Ontario, setting new standards in fire fighting efficiency.

Starting in 1964, special Indian Fire fighting crews were organized, trained and stationed at strategic centers.

Experiments in the use of infrared and other electronic fire detection methods were initiated in 1962. In August, 1966, the first actual forest fire was detected by an infrared aerial scanner mounted on a Turbo-Beaver aircraft.

The Forest Protection Section administers forest fire control, pest control and the Department's communications and plant and equipment programmes.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

ESTIMATED FIRE DAMAGE

Year	TIMBER DAMAGE (000's Cu. Ft.)			TIMBER DAMAGE (Crown Dues, Only)			DAMAGE TO REPRODUCTION			TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total		
1951	29,401	188	29,590	\$294,015	\$1,880	\$295,895	\$92,431	\$1,121	\$93,552	\$389,447	\$56,389
1952	1,401	577	1,978	14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,671,857	5,870	2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,868,133	2,118	2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	680	42	722	13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960	21,293	123	21,416	425,860	2,470	428,330	8,357	1,427	9,784	438,094	56,442
1961	1,595,447	750	1,596,196	31,908,935	14,993	31,923,928	62,187	3,687	65,874	31,989,802	152,638
1962	2,440	83	2,523	48,794	1,669	50,462	10,740	13,546	24,285	74,748	99,165
1963	14,907	194	15,101	.....	.....	484,334	.....	.....	222,555	706,888	39,932
1964	10,052	279	10,330	.....	.....	351,130	.....	.....	149,166	500,296	19,792
1965	.....	.....	2,158	.....	.....	235,325	.....	.....	151,525	386,850	254,105
1966	891	15	906	34,221	561	34,782	.....	.....	36,739	71,521	49,457
1967	.....	...	19,400	.....	...	658,209	.....	.....	608,072	1,353,919	87,638
1968	.....	...	273	.....	...	9,124	.....	.....	40,848	4,174	54,146
1969	.....	...	2,535	.....	...	101,107	.....	.....	29,026	134,756	4,623

FOREST FIRE SUMMARY

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1917	.....	.....	384,164	1,110	346
1918	.....	.....	30,172	965	31
1919	.....	.....	922,161	1,780	518
1920	.....	.....	358,851	1,287	279
1921	.....	.....	749,534	1,269	591
1922	.....	.....	346,193	1,021	339
1923	.....	.....	2,120,148	1,343	1,579
1924	.....	.....	146,017	851	171
1925	.....	.....	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965	14,995	4,909	19,904	1,218	16

FOREST FIRE SUMMARY (Continued)

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1966	8,453	5,962	14,415	1,921	8
1967	58,733	4,769	63,502	1,465	43
1968	2,665	6,796	9,461	1,219	8
1969	4,481	1,653	6,134	901	7
1970	.....	.....	56,121	1,231	46
1971	.....	.....	36,199	1,782	20

1971 SUMMARY

FOREST DISTRICT	Total Acres	Number Of Fires	Acres Per Fire
Chapleau.....	125	48	3
Cochrane.....	3,107	64	49
Fort Frances.....	230	79	3
Geraldton.....	4,970	65	77
Kapuskasing.....	3,078	32	96
Kemptville.....	10	14	1
Kenora.....	5,056	116	44
Lake Erie.....	...	...	...
Lake Huron.....	1	4	...
Lake Simcoe.....	11	12	1
Lindsay.....	45	48	1
North Bay.....	583	186	3
Parry Sound.....	1,458	97	15
Pembroke.....	487	161	3
Sault Ste. Marie.....	77	33	2
Sioux Lookout.....	869	120	7
Sudbury.....	1,362	363	4
Swastika.....	5,148	79	65
Thunder Bay.....	8,638	138	61
Tweed.....	127	92	1
White River.....	817	31	26
Totals.....	36,199	1,782	20

MONTHS

March.....	...	...	...
April.....	35	14	3
May.....	8,839	507	17
June.....	13,159	288	46
July.....	4,701	415	11
August.....	8,788	382	23
September.....	89	134	1
October.....	180	27	7
November.....	408	15	27

CAUSES OF FOREST FIRES

GENERAL CAUSES	1967	1968	1969	1970*	1971
Recreation.....	567	356	256	364	708
Resident.....	203	262	128	136	198
Incendiary.....	23	32	9	21	26
Railways.....	176	141	78	126	151
Industry (Forest).....	10	18	7	2	25
Industry (Other).....	38	44	21	19	48
Miscellaneous (Known).....	236	270	191	140	269
Unknown.....	14	17	9	19	26
Lightning.....	198	79	202	404	331
TOTAL, Fires.....	1,465	1,219	901	1,231	1,782

SOURCE OF IGNITION

CAUSE OF FOREST FIRE	1966	1967	1968	1969	1970
Smoking Material	510	442	325	212	250
Camp Fire.....	302	219	117	139	164
Matches.....	153	120	127	65	78
Fireworks.....	35	31	25	18	10
Explosives.....	2	2	1	1	..
Fusee.....	6	13	2	8	6
Prescribed Burning....	2	9	..	1	2
Dump Live Ashes, Coals	2	3	8	3	2
Burning Grass.....	33	47	76	32	39
Burning Brush.....	42	26	42	23	19
Burning Rubbish.....	46	56	70	31	42
Burning Garbage Dump..	48	31	49	24	15
Burning Bulld'zd Pile..	4	5	7	1	..
Burning Sawdust Pile..	4	3	..	..	1
Burning Ties.....	6	8	..	1	..
Burning Right of Way..	11	5	15	6	7
Locomotive, Diesel....	14	61	33	21	50
Locomotive, Steam.....	..	1	..	..	..
Brake Shoe.....	56	59	72	34	45
Hot Box.....	..	1	3	..	2
Power Saw.....	4	5	1	3	1
Mechanical Equipment..	16	11	12	7	8
Power Line (Short)....	10	10	26	13	19
Sparks from Chimney...	2	11	6	1	2
Sparks from Burner....	2	5	3	1	3
Structural Fire.....	29	16	29	14	19
Miscellaneous (Known).....	15	20	27	13	8
Unknown.....	28	47	64	27	44
Lightning.....	539	198	79	202	403
TOTAL, Fires.....	1,921	1,465	1,219	901	1,239

CAUSES OF FOREST FIRES

RESPONSIBLE GROUPS	1966	1967	1968	1969	1970
RECREATION					
Fisherman.....	256	205	120	118	113
Hunter.....	40	47	17	15	12
Canoeist.....	4	5	8	10	13
Camper.....	77	49	30	30	37
Picnicker.....	21	14	9	10	15
Berry Picker.....	107	82	21	23	85
TRAVELLER					
Car Passenger.....	125	117	124	79	61
Hiker.....	52	40	29	27	27
Train Passenger.....	23	1	2	1	3
Guided Party.....	..	2	..	..	1
RESIDENT					
Farmer.....	29	24	50	14	11
Rural Resident.....	71	115	129	53	81
Urban Resident.....	17	24	12	8	4
Private Cottager.....	47	39	46	33	23
Resort Owner.....	9	4	9	..	4
Indian (on Reserve)..	9	11	14	7	7
VOCATION					
Trapper.....	..	2	5	4	..
Prospector.....	1	3	2	1	..
Timber Cruiser.....	..	..	..	..	..
Land Survey Party....	2	1	..	1	..
Military.....	1	..	1	1	..
EMPLOYEE OF:-					
Woods Industry.....	14	14	18	5	4
Mining.....	8	1	6	2	1
Pipeline.....	1	..	..	..	..
Hydro.....	21	4	6	5	11
Telephone.....	..	..	1	..	..
Highway or Road.....	3	5	8	4	4
R.R. Section Crew....	11	15	16	6	6
R.R. Train Crew.....	62	131	115	63	103
R.R. Work Crew.....	10	12	5	5	8
Other Industry.....	12	15	11	4	7
Lands and Forests....	3	1	1	2	3
Other Prov. Govt.....	..	..	..	..	..
Federal Government...	2	..	1	1	..
Municipality.....	11	7	5	2	1
MISCELLANEOUS					
Children.....	212	156	164	85	99
Youth Groups.....	2	8	10	3	1
Miscellaneous (Known)	24	28	49	34	30
Unknown.....	95	85	96	43	61
TOTAL, Man-Caused Fires	1,382	1,267	1,140	699	836
Percentage of All Fires	72	87	94	78	67

DETECTION OF FOREST FIRES

MEANS OF DETECTION	1966	1967	1968	1969	1970
Lands & Forests Towers..	560	354	275	188	210
Outside Agency Tower....	2	2	...	2	...
Lands & Forests Aircraft	189	161	53	96	195
Commercial Aircraft.....	123	65	19	27	109
Private Aircraft.....	13	17	6	9	14
Lands & Forests Personnel	96	93	93	48	90
Other Prov.Govt. Employees	68	44	35	44	23
Public.....	872	729	738	487	598
TOTAL, Fires.....	1,921	1,465	1,219	901	1,239

SIZES OF FOREST FIRES

AREA BURNED OVER	1966	1967	1968	1969	1970
Up to 1/4.....Acres	998	630	481	474	645
Over 1/4 to 10.....Acres	834	712	602	383	508
Over 10 to 100.....Acres	70	99	118	36	61
Over 100 to 500.....Acres	14	16	17	6	11
Over 500.....Acres	5	8	1	2	14
TOTAL, Fires.....	1,921	1,465	1,219	901	1,239

PROSECUTIONS	1966	1967	1968	1969	1970
Prosecutions.....	28	31	41	34	18
Convictions.....	26	27	36	29	16

REPORT OF MAJOR EQUIPMENT as of March 31st, 1970

LOCATION	Portable Pumps	Fire Hose 00's	Blank- ets	Tents	Elder- downs	Bin- ocu- lars	Canoes	Not Mtr.	In- bd.	Out Board Motors	Motor Vehi- cles	Trail- ers	Trac- tors	Railway Mtr. Cars	*S	*V	*B
DISTRICTS																	
Chapleau.....	55	346	1,136	1,548	157	101	30	66	21	..	47	16	8	2	6	2	..
Cochrane.....	50	316	1,084	2,121	158	92	37	48	15	2	34	14	5	6	7	..	..
Fort Frances...	36	210	928	1,333	103	122	24	34	32	3	32	17	4	..	10	..	..
Geraldton.....	64	295	1,555	2,971	173	79	28	37	23	3	45	18	5	4	8	..	..
Kapuskasing....	41	350	1,040	1,827	126	31	25	43	11	..	45	18	5	5	8	..	..
REGIONS																	
Kemptville.....	17	289	390	45	8	27	23	3	32	..	35	29	16	..	7	..	..
Kenora.....	65	300	1,867	1,470	123	136	25	46	37	2	49	21	16	..	8	..	..
Lake Erie.....	15	164	356	47	1	18	40	4	24	6	28	26	12	..	1	..	..
Lake Huron....	23	189	432	128	8	11	35	8	21	1	21	32	11	..	3	..	..
Lake Simcoe....	31	395	658	217	9	13	42	6	32	1	31	34	36	..	11	..	..
Lindsay.....	50	348	1,197	593	40	49	34	26	41	..	53	40	21	..	4	..	3
North Bay.....	49	240	1,188	846	106	134	33	50	43	2	55	18	4	..	11	..	..
Parry Sound....	40	373	1,088	824	75	116	32	50	53	3	61	33	7	..	13	..	..
Pembroke.....	45	405	1,323	1,919	167	216	24	63	46	..	55	17	11	3	12	..	..
S.S. Marie.....	58	561	2,110	2,511	155	176	22	45	23	..	42	24	12	..	11	..	2
OTHERS																	
Sioux Lookout...	73	407	2,320	2,801	234	103	20	58	31	4	82	13	3	..	6	..	..
Sudbury.....	89	413	1,967	3,407	175	177	49	66	42	1	66	26	11	2	15	..	..
Swatara.....	49	254	1,186	1,792	92	185	25	31	25	..	30	47	8	..	4	..	..
Thunder Bay....	72	430	2,418	2,529	186	159	38	53	28	..	48	17	12	..	5	..	1
Tweed.....	38	324	1,026	388	61	39	45	23	47	2	59	24	4	..	13	..	..
White River....	51	492	1,101	2,458	118	71	17	51	26	1	39	19	6	4	5	..	..
REGIONS																	
Northwestern...	57	459	1,316	..	94	1	..	2	..	..	..	..	..	..	..	..	..
Northeastern...	59	475	1,730	907	207	4	..	3	..	..	1	..	..	..	1	..	..
Southern.....	..	..	..	3	1	6	..	..	..	..	..	..	..	..	..	..	..
OTHERS																	
O.P.T.S.	8	35	52	916	1	..	3	21	3	..	7	4	4	..	1	..	..
Air Service....	..	..	..	..	..	122	..	1	2	..	..	2	2	..	..	..	..
Head Office...	12	..	9	138	105	290	50	40	46	2	52	50	43	15	13	..	3
TOTALS	1,147	8,070	29,477	33,739	2,683	2,478	701	878	704	33	1,035	1,183	527	238	26	183	3

*S-Snowmobiles, V-Velocipedes, B-Barges and Scows. **Ontario Forest Technical School. ***Includes Research Branch.

MAJOR EQUIPMENT As of March 31st

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Portable Power Pumps	1,396	1,271	1,225	1,201	1,145	1,117	1,053	1,115	1,080	1,128	1,122	1,147
Portable Hand Pumps.	8,336	8,344	8,237	7,977	8,159	7,873	7,865	7,568	7,560	8,651	7,394	8,070
Hose (000's Feet)...	3,551	3,712	3,664	3,483	3,230	3,424	3,212	3,517	3,389	3,467	3,076	2,948
Tents.....	2,483	2,391	2,433	2,618	2,542	2,618	2,502	2,510	2,552	2,619	2,695	2,683
Sleeping Bags.....	1,671	1,739	1,750	1,780	1,828	1,764	1,876	1,705	1,811	2,650	2,975	2,478
Blankets.....	29,024	30,540	31,946	33,756	36,075	37,033	38,071	39,896	36,978	37,079	36,221	33,739
Binoculars.....	647	659	661	668	691	676	718	813	779	708	704	701
Canoes.....	1,005	954	930	922	868	859	816	878	897	917	900	878
Boats (Outboard)....	519	534	538	568	570	584	652	584	671	673	678	704
Motors (Outboard)...	785	809	807	834	837	841	884	910	983	1,005	1,018	1,035
Boats (Inboard).....	48	44	42	31	40	38	33	38	32	32	33	33
Barges and Scows....	7	6	9	6	5	5	6	3	3	2	6	9
Trucks and Autos....	918	905	945	949	967	988	979	1,006	1,070	1,025	1,083	1,183
Trailers.....	249	263	277	282	302	305	325	346	376	392	465	527
Tractors.....	186	184	194	198	214	211	216	181	210	228	232	238
Railway Motor Cars..	44	42	41	42	38	36	35	31	27	31	29	26
Velocipedes.....	22	20	18	16	16	14	13	4	1	....	2	3
Snowmobiles.....	10	13	14	16	22	29	40	43	79	124	151	183
Radio Sets, Stations	1,140	1,294	1,564	1,846	1,885	2,134	2,247	2,400	2,605	2,705	2,804	2,918
Steel Towers.....	308	315	318	323	323	323	323	323	323	323	323	323

AIR SERVICE SECTION

In 1924 the Air Service was formed with the purchase of twenty HS2L flying boats. W. Roy Maxwell was appointed first director. Bases and fuel caches were established at strategic points. A total of 2500 hours were flown the first year.

The more important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. The success of these aircraft in Ontario has led to their world-wide acceptance.

In spite of difficult flying conditions, only 26 aircraft have been written off. The last flying fatality occurred in May, 1952. There have been a total of 24 fatalities involving Air Service operations.

In recent years aircraft have been lost in service at Geraldton in 1950; Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; Ear Falls in 1959 and Kenora in 1961.

Development of aerial water bombing equipment has been carried out since 1944. The latest system is contained within the aircraft floats and incorporates a variable load feature and provision for mixing gelgard, a chemical water thickener. This system has been installed on ten Otters, 24 Turbo Beavers and two Twin Otters in 1968.

In 1965 an aircraft modernization programme was initiated with the purchase of six new Turbo-Beavers. A total of twenty-five have been acquired, replacing standard Beavers which have been sold. Three Twin Otters, one Model 60 Beechcraft Duke and a King Air have been acquired.

The Section currently operates and maintains this fleet of aircraft to meet flying requirement of the Department and special needs of other Government Departments.

Air Service Summary -- HOURS FLOWN in years ending March 31st

YEAR	Fire Ranging	Timber	Fish and Wildlife	Surveys	Lands	Parks	*Research	Inter-Dept.	Photo	Mercy Flights	Miscellaneous	TOTAL
1924-1949	88,732	4,182	2,985	...	...	...	1,030	...	1,415	361	75,674	174,378:35
1950	6,925	605	1,645	...	110	...	...	278	...	...	3,968	13,530:45
1951	4,210	938	2,029	...	283	...	303	232	...	64	2,998	11,057:10
1952	5,498	903	2,086	...	153	...	360	188	273	168	3,171	12,800:20
1953	5,278	674	1,980	97	149	...	266	150	280	56	2,959	11,888:50
1954	6,302	982	1,972	124	376	...	386	574	186	53	2,609	12,564:10
1955	5,095	1,048	2,362	181	246	...	284	398	244	34	2,497	12,388:30
1956	11,396	835	2,333	128	181	...	192	458	130	55	2,077	17,785:10
1957	5,347	986	2,289	72	180	...	199	384	148	34	2,053	11,692:20
1958	5,652	801	2,837	23	190	310	212	327	24	44	2,086	12,506:20
1959	4,275	876	3,615	15	200	272	189	421	...	39	2,376	12,277:35
1960	4,053	883	3,569	11	209	345	228	475	...	42	2,169	11,984:00
1961	4,914	965	3,455	4	267	255	200	470	...	72	1,967	12,568:30
1962	7,130	799	3,628	...	260	266	170	370	...	33	1,830	14,485:45
1963	4,169	923	3,862	...	230	386	201	454	...	20	2,297	12,541:45
1964	5,837	1,125	3,876	8	301	476	205	560	...	24	2,389	14,801:00
1965	4,467	1,267	3,579	...	271	347	239	350	...	25	2,702	13,247:15
1966	3,243	1,088	3,443	...	418	282	255	396	...	22	3,603	12,750:00
1967	4,148	1,267	3,762	...	470	298	364	562	...	25	3,857	14,752:40
1968	4,250	1,219	4,076	...	459	568	322	622	...	17	4,272	15,805:10
1969	2,095	1,335	3,988	...	544	571	454	896	...	13	4,560	14,456:05
1970	2,825	1,473	4,324	...	678	728	470	977	...	116	4,206	15,797:05
1971	2,702	1,470	3,940	...	699	861	326	1,830	...	99	3,820	15,746:55
Total: 198,543	26,644	71,635	663	6,874	5,965	6,855	11,372	2,700	1,416	140,139	472,805:55	

*Research Includes Entomology.

Hours Flown by **HELICOPTERS** (Leased and Contract)
in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,098:50
1966	937	142	136	193	1,408:50
1967	1,643	102	154	295	2,193:40
1968	1,205	163	261	485	2,114:30
1969	620	343	289	650	1,902:15
1970	920	340	460	602	2,322:40
1971	1,106	333	798	978	3,214:30

Hours Flown by **COMMERCIAL AIRCRAFT** (Leased)
in years ending March 31st.

1967	1,565	22	200	127	1,913.40
1968	3,331	50	430	162	3,973:10
1969	1,251	51	151	129	1,582:15
1970	1,899	126	310	257	2,592:30
1971	3,934	99	571	521	5,124:31

AIR SERVICE SUMMARY

In years ending March 31st

YEAR	Mercy Flights	Passengers Carried	Flight Crew	Effective Loads Carried	
				Tons	Pounds
1924- 1949	..	165,583	89,206	27,233	1,067
1950	..	30,687	5,918	3,982	76
1951	..	27,140	5,140	3,366	1,111
1952	..	30,439	5,410	3,663	1,616
1953	..	25,900	5,346	3,078	1,262
1954	..	31,109	7,245	3,918	605
1955	..	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4,871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
1966	15	28,409	4,983	4,998	507
1967	17	31,013	5,689	6,600	64
1968	15	32,388	6,376	8,736	1,856
1969	13	32,062	6,154	5,713	1,706
1970	22	36,080	24,503	6,625	531
1971	60	36,589	24,410	8,892	1,026
Total	..	849,209	248,399	143,740	1,836

PILOTS' FLYING TIME March 31st, 1971

PILOTS		1924-70	1970-71	TOTAL
Ayers	N.R.	1,486:05	363:30	1,849:35
Beaushene	G.D.	6,715:45	279:45	6,995:30
Bleck	A.H.	4,787:55	392:00	5,179:55
Bracken	P.G.	621:30	324:15	945:45
Briscoe	J.M.	.....	61:15	61:15
Burt	A.E.	11,042:05	291:10	11,333:15
Calver	D.R.	6,028:35	287:20	6,315:55
Campbell	G.E.	9,047:05	531:15	9,578:20
Colfer	A.P.	11,329:50	485:15	11,815:05
Cooke	T.C.	9,134:15	81:50	9,216:05
Cram	W.W.	3,913:35	433:35	4,347:10
Croal	D.M.	5,927:45	482:10	6,409:55
Denley	J.G.	9,644:10	251:50	9,896:00
Evans	F.B.	6,935:10	281:20	7,216:30
Good	S.D.	1,385:05	314:15	1,699:20
Glennie	N.A.	5,460:45	201:45	5,662:30
Hall	R.D.	.....	501:05	501:05
Hoar	H.A.	4,588:20	157:50	4,746:10
Hoeberg	P.S.	6,981:20	544:55	7,526:15
Howe	F.R.	2,094:35	503:35	2,598:10
Kachanovsky	J.	1,390:35	344:05	1,734:40
Lamont	J.A.	6,366:15	384:20	6,750:35
Lefevre	C.J.	11,768:25	100:00	11,868:25
Lowe	B.	3,886:05	332:30	4,218:35
McCauley	G.N.	303:40	506:50	810:30
McLellan	D.	1,583:00	528:00	2,111:00
McLeod	A.K.	2,606:25	543:50	3,150:15
McNabb	D.D.	2,421:30	468:05	2,889:35
Mason	R.C.	.....	155:05	155:05
North	D.H.	3,742:15	366:15	4,108:30
Nyman	R.V.	1,438:55	258:25	1,697:20
Parsons	R.	9,364:05	163:25	9,527:30
Phillips	T.R.	562:40	317:20	880:00
Siegel	J.	7,658:00	353:50	8,011:50
Speight	H.C.	11,777:45	420:20	12,198:05
Stewart	A.L.	571:15	503:45	1,075:00
Swant	F.D.	911:05	448:10	1,359:15
Taylor	J.M.	3,981:05	38:25	4,019:30
Thompson	F.J.	5,530:10	328:00	5,858:10
Thomson	G.G.	355:30	453:45	809:15
Turcotte	L.G.	4,552:35	436:25	4,989:00
VanKoeveringe	J.	409:25	371:05	780:30
Weisflock	E.J.	3,048:15	532:40	3,580:55
Other Pilots		266,617:20	622:25	267,239:45
TOTAL HOURS		457,970:05	15,746:55	473,717:00

AIR SERVICE BASE OPENING DATES (or First Float Flying)

*Year Round Base

BASE	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
*Algonquin Park...	2 May	4 May	3 May	24 April	7 May	15 May	.....	.....	.....	.....	.....	.....
*Carey Lake.....	23 May	10 May	13 May	9 May	13 May	13 May	25 May	23 May	17 May	21 May	19 May	16 May
*Armstrong.....	22 May	24 May	25 May	20 May	11 May	17 May	26 May	30 May	30 May	13 May	19 May	19 May
*Chapleau.....	11 May	4 April	7 May	29 April	1 May	7 May	1 April	2 May	27 April	11 April	7 May	10 May
*Port Frances.....	4 May	1 May	1 May	25 April	4 May	4 May	6 May	24 April	22 April	28 April	16 April	26 April
*Geraldton.....	18 May	11 May	16 May	7 May	7 May	11 May	1 April	16 May	13 May	20 May	13 May	10 May
*Gogama.....	5 May	10 May	7 May	1 May	1 May	7 May	16 July	3 May	6 May	8 May	4 May	14 May
*Ignace.....	12 May	11 May	11 May	8 May	8 May	13 May	.....	.....	.....	.....	.....	.....
*Kenogami Lake...	18 May	13 May	10 May	8 May	4 May	12 May	19 May	11 May	19 May	14 May	17 May	16 May
*Kenora.....	12 May	11 May	9 May	6 May	8 May	3 May	6 April	5 May	1 May	15 May	11 May	2 May
*Lauzon Lake.....	2 May	26 April	26 April	22 April	30 April	4 May	25 April	27 April	29 April	5 May	30 April	8 May
*Nym Lake.....	12 May	12 May	16 May	8 May	8 May	11 May	29 May	15 May	10 May	7 May	14 May	8 May
*Oba Lake.....	23 May	11 May	15 May	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Parry Sound.....	27 April	26 May	25 April	22 April	23 April	4 May	2 April	29 April	19 April	18 April	2 May	.....
*Pays Plat.....	12 May	10 May	11 May	23 April	8 May	11 May	9 May	6 May	10 May	8 May	.....	.....
*Peabroke.....	.....	4 May	26 April	23 April	25 April	4 May	1 April	21 April	6 April	10 April	28 April	2 May
*Pickle Lake.....	20 May	19 May	16 May	17 May	17 May	13 May	31 May	1 June	21 May	21 May	20 May	27 May
*Thunder Bay.....	13 May	19 May	16 May	5 May	5 May	11 May	17 May	3 May	28 April	28 April	11 May	6 May
*Red Lake.....	16 May	19 May	15 May	8 May	10 May	12 May	25 May	24 May	13 May	7 May	18 May	17 May
*Reni Lake.....	19 May	11 May	15 May	9 May	6 May	12 May	24 May	23 May	10 May	13 May	15 May	16 May
*Sault Ste. Marie.	11 April	4 April	2 April	3 April	3 April	.....	1 April	1 April	12 April	22 April	8 May	21 April
*Sioux Lookout...	16 May	16 May	8 May	2 May	7 May	10 May	23 May	10 May	9 May	3 May	30 April	19 April
*Timmins.....	16 May	11 May	9 May	11 May	4 May	11 May	14 May	16 May	11 May	18 May	15 May	14 May
*Sudbury.....	4 May	10 May	27 April	24 April	28 April	8 May	25 April	3 May	17 April	25 April	27 April	8 May
*Teaganami.....	11 May	17 May	9 May	1 May	4 May	14 May	9 May	9 May	26 April	9 May	4 May	10 May
*Toronto.....	28 April	19 April	6 April	17 April	20 April	.....	5 April	1 April	1 April	1 April	16 April	23 April
*Tweed.....	28 April	25 April	25 April	18 April	23 April	4 May	25 April	20 April	11 April	24 April	28 April	8 May
*Twin Lakes.....	25 May	21 May	22 May	15 May	11 May	13 May	.....	.....	.....	.....	.....	.....
*White River.....	20 May	12 May	15 May	15 May	10 May	11 May	19 May	12 May	3 May	7 May	13 May	11 May

LANDS AND WATERS BRANCH

This branch is concerned with the acquisition and disposition of land. Land may be acquired and developed to fulfill the needs of the people of Ontario. Because of varied demands on land and a limited supply, the branch co-ordinates the uses to which the land may be put.

L. H. Eckel was appointed Director on April 1, 1971.

LANDS AND WATERS BRANCH

Director: L.H. ECKEL

CONTROL SECTION

Supervisor: R.S. Hyslop

Disposal of public land by sale and patent, quit claim deed, vesting order, lease, licence of occupation or land use permit; release of reservation in patents, assignments and cancellations; reservations of land for public and government uses; control of improvements on private land in restricted areas; beach management agreements, recommendation and applications to acquire private lands for public uses.

LAND USE CO-ORDINATION SECTION

Supervisor: E.F. Anderson

Development and co-ordination of land use plans; Ontario Land Inventory; co-ordination of departmental A.R.D.A. projects; liaison with Department of Agriculture and Food on private lands and with other departments on the socio-economic implications of land use objectives.

CONTROL SECTION

Organized administration of the public lands in Ontario began in 1827 with the establishment of the Department of Crown Lands in the Province of Upper Canada under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments.

The first annual report was printed in 1857. It recited a number of the problems which confronted early lands administrators including the periodic influx of immigrants beginning with the U. E. loyalists, the Clergy Reserves and the land companies incorporated for colonization purposes.

The Department of Crown lands survived confederation. In 1905, it became part of the Department of Lands, Forests and Mines. In 1920, the Department of Mines separated. Since 1920, the function of public land administration has been vested in the Department of Lands and Forests as follows:

1920-1941	Lands Branch
1941-1944	Division of Lands
1944-1957	Lands Branch, Division of Lands and Recreational Areas
1957-1959	Lands Branch, Division of Surveys
1959-1971	Lands Section, Lands and Surveys Branch
April 1, 1971	Control Section, Lands and Waters Branch.

In 1960, legislation authorizing the establishment of restricted areas came into force. This provides for the control of residential development on private land.

In 1960, the policy of acquiring private land for public recreation and departmental programs was initiated. This program has advanced to the point where the areas acquired annually exceed the areas alienated.

In 1961 the Sections of The Public Lands Act dealing with the disposal of agricultural lands were repealed. In co-operation with the Department of Agriculture, an up-to-date procedure for dealing with applications for such lands was developed.

In 1962, new legislation provided that 25% of the land frontage on any body of water must be retained in the Crown. If less than 25% was in the Crown, no further land on that body of water could be alienated.

In 1970, a revision of the health standards for cottage lots materially reduced the number of lots on inventory.

In 1971, sale of private cottage lots was discontinued. Such lots are now available by lease.

Because of high demand and reduced inventory, most cottage lots will be offered to the public by auction or by tender in the future.

Public lands in Ontario may be alienated to satisfy the needs of our people for space on which to live, work and play and to stimulate the economic growth of Ontario and Canada. In each case, the parcel of land must be in a zone open for disposal and it must also be suitable for development for the use intended.

RESERVATION OF TREES AND TIMBER

Occasionally, in land grants made in the very early 1800s, pine trees, cedar trees and oak trees were reserved to the Crown. Usually, the timber was granted with the land and was often destroyed by the owner as a valueless commodity.

Following Confederation, reservations of pine and other timber became increasingly common in patents for land until 1951. In 1951, by amendment to The Public Lands Act, reservation of trees made in patents for agricultural land was made void. In 1970, a reservation of timber in all patents made under The Public Lands Act was made void.

Today, timber reservations are enforced on lands patented as follows:

- (a) Pine trees on claims staked under The Mining Act after 1868 and patented before March, 1918.
- (b) All timber on claims patented under The Mining Act after March, 1918.
- (c) Pine trees on lands patented under the Veterans' Land Grant Act, 1908 and its predecessor providing for grants to veterans from the Fenian Raids and South African War.

LAND USE CO-ORDINATION SECTION

This Section-

- (a) Determines the land's capability to, produce crops of wildlife, fish and timber; provide a variety of outdoor recreational experiences; and provide suitable space for cultural developments such as houses, factories, roads and airports.
- (b) Supervises and co-ordinates the preparation of plans recommending the best land use based on the land's ability to satisfy the various uses.
- (c) Co-ordinates the long range planning activities of the Department to ensure the optimum benefits are achieved while implementing the recommended land uses.

The Section is also responsible for the co-ordination of A.R.D.A. programs in the Department; liaison with the Regional Development Branch, Department of Treasury on regional planning; co-ordination of the Forest Access Roads Program; co-ordination of the Advisory Committees on Recreational Land Use Planning; liaison with the Department of Agriculture on the Private Lands Liaison Committee.

LANDS PROPOSED, ACQUIRED AND REJECTED

In year ending March 31, 1971

Use Category	Acres Proposed	Acres Rejected	Acres Acquired	Cost
Provincial Parks.....	3,352	35	3,317	\$2,441,447
Access Points.....	823	201	444	108,976
General Recreation.	1,516	...	656	129,590
Wilderness Areas.....	952	...	656	236,551
Wildlife Management.	5,095	...	4,620	903,259
Timber.....	11,000	2,300	4,316	206,660
Totals.....	22,738	2,536	14,009	4,026,483

(Note: No districts improvements in 1970-71 - All handled by DPW)

ACRES ACQUIRED in years ending March 31st

Use Category	1967	1968	1969	1970
Provincial Parks.....	6,244.49	9,142.10	5,421.86	3,633
Access Points....	290.90	1,135.36	348.62	350
General Recreation	851.30	8,829.26	5,007.50	1,318
Wilderness Areas.....	614.30	356.96	136.00	21
Wildlife Management	1,876.00	3,327.77	6,556.70	3,091
Timber Management	8,859.42	32,631.50	194,495.73	83,240
District Improvements	109.30	154.00	1,481.46	3
Totals ...	18,845.71	55,576.95	213,447.87	91,656

LAND ACQUIRED BY CROWN

Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	16,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174	7,969	12,081	22,224
1966	5,484	1,989	8,285	15,758
1967	8,402	1,840	12,601	22,843
1968	8,344	470	46,435	55,249
1969	2,411	996	208,026	211,433
1970	3,272	128	88,023	91,423
1971	1,515	14	10,692	12,221

FREE GRANT LAND in years ending March 31st

Year	Locations		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1946	49	5,737	545	61,459	120	14,214	216	26,068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	67	8,649	403	48,578	64	8,415	164	22,119
1949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
1951	28	3,608	289	35,371	56	7,747	150	19,826
1952	27	3,411	159	19,785	37	5,060	165	21,411
1953	36	4,655	181	21,874	25	3,452	120	16,131
1954	24	2,757	250	30,784	19	2,618	136	17,713
1955	17	1,823	209	25,755	7	1,005	87	11,219
1956	20	2,708	114	12,661	4	517	59	7,501
1957	8	878	78	8,727	1	151	47	6,089
1958	6	796	60	6,950	1	156	48	6,483
1959	4	462	43	4,689	1	160	36	4,658
1960	4	386	48	4,597	1	50	44	5,911
1961	..	.....	89	9,799	2	156	29	3,701
1962	..	.....	51	5,033	..	.....	25	2,670
1963	..	.....	74	7,979	..	.....	30	3,939
1964	..	.....	12	1,222	1	100	18	2,385
1965	..	.....	23	2,721	..	.....	11	1,319
1966	..	.....	24	2,756	..	.....	12	1,307
1967	..	.....	2	186	..	.....	7	732
1968	..	.....	..	.....	..	.....	..	.....
1969	..	.....	3	268	1	68	2	168
1970	..	.....	..	.....	..	.....	3	177
1971	..	.....	..	.....	..	.....	1	100

AGRICULTURAL LAND in years ending March 31st

Year	Sales		Cancellations		Assignments		Patents		Quit No.	Claim Acres	Deeds Acres
	No.	Acres	No.	Acres	No.	Acres	No.	Acres			
1946	281	26,535	438	42,933	162	17,464	321	36,683	...	...	...
1947	303	29,757	338	29,470	222	22,801	433	52,189	...	...	...
1948	280	29,506	402	37,069	185	21,667	299	32,929	...	...	...
1949	277	28,740	378	35,095	105	12,392	225	26,435	...	...	...
1950	267	26,671	327	32,452	113	12,145	316	35,483	...	...	...
1951	195	19,228	221	22,134	69	7,673	256	28,104	...	...	...
1952	223	24,420	143	13,358	71	7,313	242	26,474	...	...	...
1953	186	21,965	221	21,645	70	7,560	256	29,319	...	...	...
1954	144	14,534	131	13,049	50	4,484	256	29,123	...	...	...
1955	158	15,232	161	17,377	92	4,131	188	21,265	...	...	...
1956	117	12,230	184	18,513	26	3,008	148	17,892	...	...	...
1957	82	8,683	191	19,038	15	1,461	126	14,882	...	...	...
1958	101	10,543	174	17,087	7	807	150	15,471	...	...	...
1959	101	10,607	141	13,788	12	1,227	110	11,644	...	...	...
1960	68	6,578	59	5,788	3	211	105	10,980	...	...	...
1961	35	3,808	94	9,133	15	1,531	108	11,633	...	...	...
1962	10	1,102	58	5,892	4	330	94	10,267	...	...	...
1963	5	284	59	5,868	5	446	84	9,512	...	...	...
1964	6	549	9	810	1	80	88	8,783	...	...	...
1965	16	1,384	48	4,778	..	.....	62	6,468	...	...	...
1966	12	1,084	29	2,860	..	.....	42	4,362	...	...	...
1967	6	476	15	1,591	..	.....	28	2,510	1	100	100
1968	1	160	2	240	..	.....	24	2,480	2	177	177
1969	2	226	2	235	..	.....	19	2,144	...	...	...
1970	1	86	1	80	..	.....	8	902	1	9	9
1971	3	425	...	.....	..	.....	4	505	...	...	...

SUMMER RESORT LAND in years ending March 31st.

YEAR	Sales		Cancellations		Assignments		Patents		Surveys
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
1946	535	1,411	11	35	14	32	277	781	358
1947	666	1,841	6	6	37	186	496	1,764	388
1948	700	1,700	26	69	34	139	446	1,153	692
1949	1,010	2,336	45	218	40	107	756	1,984	1,199
1950	1,202	2,512	77	610	38	95	1,046	2,613	1,435
1951	1,360	2,484	62	112	50	94	1,125	2,294	1,737
1952	1,601	2,769	75	148	35	319	1,294	3,363	1,800
1953	1,290	2,278	73	183	40	127	1,263	2,287	1,458
1954	1,435	2,133	76	447	37	72	1,312	2,168	1,752
1955	1,278	1,871	84	166	28	42	1,479	2,438	1,670
1956	1,176	1,614	108	183	12	17	1,384	2,089	1,269
1957	714	958	61	124	17	17	1,164	1,411	1,207
1958	1,344	1,678	36	53	13	15	962	1,350	2,083
1959	2,155	2,517	27	28	19	23	1,220	1,588	2,660
1960	2,418	2,345	33	49	29	25	1,946	2,010	2,307
1961	1,557	1,543	58	72	25	25	1,840	1,929	2,935
1962	1,391	1,377	55	77	22	26	2,234	2,415	2,577
1963	1,131	1,068	25	29	11	8	1,418	1,494	1,374
1964	912	929	17	19	6	7	1,088	1,092	939
1965	881	824	32	33	3	8	977	981	726
1966	856	863	23	21	17	25	883	925	838
1967	1,142	1,109	17	15	30	27	827	821	897
1968	944	977	20	24	27	23	961	940	746
1969	1,379	1,392	25	27	25	27	1,117	1,080	1,018
1970	1,563	1,565	16	19	32	30	1,065	1,195	1,447
1971	1,539	1,459	12	14	44	121	1,519	1,461	.....

CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

Year	No.	Sales Acres	Cancellations No.	Acres	Assignments No.	Acres	Patents No.	Acres	Quit Claim Deeds No.	Acres
1947	275	137.92	9	2.39	27	6.67	249	175.39	.	...
1948	...	...	..	...	..	...	...	...	.	...
1949	151	68.626	17	17.182	22	8.904	146	66.634	.	...
1950	97	102.906	10	1.668	11	21.764	182	111.60195	.	...
1951	87	56.996	15	30.05	10	2.2145	143	94.3345	.	...
1952	91	252.47	7	1.695	10	1.576	90	38.274	.	...
1953	111	64.7477	19	13.82	2	0.378	126	68.950	.	...
1954	89	28.604	8	23.308	7	1.682	99	63.0438	.	...
1955	60	15.411	11	5.271	11	2.39	70	26.651	.	...
1956	91	44.690	14	6.06	7	1.44	85	1,613.190	.	...
1957	96	60.547	14	5.04	2	0.37	85	70.632	.	...
1958	76	15.693	10	1.159	4	0.86	69	323.050	.	...
1959	109	30.8821	6	2.109	4	0.978	101	37.990	3	12.909
1960	113	36.315	12	1.1872	4	0.941	99	75.994	3	219.485
1961	83	29.443	17	3.318	5	0.98	91	25.618	3	155.89
1962	104	39.910	20	5.708	..	...	105	61.243	3	1.34
1963	77	31.941	31	6.318	8	2.885	99	36.547	7	28.314
1964	64	34.650	4	4.892	1	0.2	67	218.826	3	2.305
1965	27	7.140	13	2.840	1	0.394	45	15.019	1	0.13
1966	34	14.189	11	2.140	1	0.24	45	12.254	1	0.69
1967	27	10.275	5	1.063	1	0.09	23	13.106	.	...
1968	37	12.491	5	1.165	5	1.18	37	14.986	1	0.50
1969	71	64.638	3	1.39	1	0.30	59	15.563	1	...
1970	63	56.921	9	27.072	2	0.45	34	92.558	3	17.349
1971	31	97.983	1	.110	..	....	40	16.015	.	...

LAND FOR SPECIAL USE in years ending March 31st

Year	No.	Sales Acres	Cancellations No.	Acres	Assignments No.	Acres	Patents No.	Acres	Quit Claim Deeds No.	Acres	Easements No.	Acres
1947	211	14,293.96	..	...	6	134.05	145	13,272.99	..	.....	..	...
1948	...	...	..	...	6	...	...	...	..	.....	..	...
1949	199	20,541.913	5	110.00	3	184.53	187	13,132.423	..	.....	..	...
1950	183	26,616.1662	5	206.59	4	95.86	187	55,461.188	..	.....	..	...
1951	155	4,285.757	11	255.655	2	100.68	175	5,471.559	..	.....	..	...
1952	149	5,367.3395	15	576.64	1	20.08	157	7,318.1075	..	.....	..	...
1953	141	5,440.696	9	640.02	2	2.91	170	6,931.922	..	.....	..	...
1954	145	4,220.913	12	418.984	7	87.56	154	6,168.493	..	.....	..	...
1955	143	4,745.9465	12	614.26	3	111.771	163	4,989.0825	..	.....	..	...
1956	129	7,451.9988	10	427.33	3	6.23	132	6,274.0393	..	.....	..	...
1957	81	2,122.698	7	249.84	..	...	132	5,175.287	..	.....	..	...
1958	148	4,533.12	12	545.20	..	...	152	5,620.207	..	.....	..	...
1959	88	1,738.784	2	95.48	1	2.13	108	2,554.183	1	1.35	..	...
1960	157	3,201.033	4	228.25	3	4.11	162	10,254.213	5	119.569	..	...
1961	108	9,149.599	6	159.31	..	...	156	4,888.957	3	50.00	..	...
1962	122	2,587.402	5	82.114	2	1.69	158	4,090.992	40	3,409.015	..	...
1963	100	2,527.392	3	180.21	..	...	146	4,863.112	23	1,387.196	..	...
1964	75	1,529.052	4	83.03	..	...	140	6,624.6265	24	4,152.1467	..	...
1965	86	622.792	8	432.33	..	...	128	16,667.445	22	1,916.369	..	...
1966	83	671.858	8	244.489	..	...	99	2,345.328	15	926.54	..	...
1967	128	1,462.543	3	47.01	..	...	149	3,916.502	13	937.583	..	...
1968	108	1,192.00	4	204.00	1	1.00	153	1,896.00	8	221.00	2	3
1969	125	3,283.274	4	466.39	1	.22	144	3,803.024	10	246.37	..	...
1970	111	954.161	2	1.55	..	...	113	2,747.811	10	217.765	..	...
1971	104	1,658.862	..	...	..	...	161	3,908.937	10	131.657	..	...

LEASES

LICENCES OF OCCUPATION

YEAR Ending March 31st	No. Issued	Acres	No. Cancelled	Acres	No. Issued	Acres	No. Cancelled	Acres	No. Cancelled	Acres
1947	86	...	219	...	151	...	22	...	...	...
1948	108	...	138	...	109	...	26	...	...	...
1949	87	...	125	...	92	...	44	...	...	...
1950	96	...	97	...	88	...	44	...	...	...
1951	81	...	114	...	88	...	37	...	...	...
1952	87	...	104	...	113	...	36	...	...	...
1953	66	...	60	...	88	...	29	...	...	...
1954	88	...	124	...	84	...	45	...	...	...
1955	59	...	48	...	11	...	60	...	...	...
1956	60	...	61	...	53	...	88	...	...	...
1957	84	...	81	...	60	...	71	...	...	...
1958	65	...	76	...	32	...	22	...	...	...
1959	75	...	58	...	26	...	26	...	...	...
1960	55	...	57	...	51	...	29	...	...	...
1961	68	...	64	...	37	...	20	...	...	...
1962	71	...	62	...	50	...	21	...	...	...
1963	47	...	79	...	51	...	31	...	...	...
1964	70	...	96	...	50	...	34	...	...	...
1965	32	...	66	...	127	...	111	...	...	...
1966	53	...	71	...	76	...	86	...	...	...
1967	65	1,458	90	2,891	80	401	97	1,214	...	...
1968	72	7,275	58	6,662	97	418	112	357	...	...
1969	61	3,575	62	8,609	81	351	94	415	...	...
1970	67	1,134	44	1,688	101	349	85	209	...	...
1971	50	3,383	64	363	25	236	22	176	...	...

LAND USE PERMITS In years ending March 31st

Year	Hunt Camp	Trappers Cabin	Residence and Garden	Agricul- ture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total Acres
1947	391	25	570	201	38	172	10	56	95	330	1,888	18,955
1948	464	47	489	233	15	197	2	80	307	377	2,211	.....
1949	543	33	446	129	57	170	2	77	370	501	2,583	22,458
1950	786	18	386	122	67	175	4	42	265	1,262	3,270	15,846
1951	796	32	261	66	56	231	6	79	599	1,617	3,891	19,035
1952	866	13	259	47	34	239	..	76	643	1,758	.....	.....
1953	957	...	299	34	24	187	..	69	400	1,671	3,809	16,031
1954	1,064	4	224	35	19	169	..	41	563	1,964	4,274	21,201
1955	1,220	29	246	34	10	180	9	102	683	2,046	4,559	18,128
1956	1,234	200	435	130	29	216	5	216	453	2,543	2,918	30,321
1957	1,248	328	459	84	36	215	5	237	537	2,613	3,059	29,669
1958	1,352	218	514	79	37	184	1	252	509	2,858	3,146	34,471
1959	1,190	279	514	89	31	214	3	368	365	3,121	3,053	36,742
1960	1,689	226	503	65	45	149	3	344	416	3,107	3,440	36,625
1961	1,875	201	328	48	22	188	7	255	548	3,181	3,472	29,899
1962	2,245	216	443	46	22	158	4	254	478	3,068	3,866	37,903
1963	2,163	241	441	49	17	152	4	265	572	3,210	3,904	37,078
1964	2,424	278	591	68	19	156	7	275	561	3,173	4,379	40,232
1965	2,395	296	349	47	46	163	12	415	713	3,146	4,436	35,438
1966	2,413	285	338	57	48	154	7	397	683	3,055	4,382	31,810
1967	2,516	325	353	52	55	157	8	393	696	2,737	4,555	29,036
1968	2,637	382	346	45	38	159	12	394	734	2,863	4,747	58,639
1969	2,696	466	448	42	54	146	12	384	682	2,603	4,930	53,023
1970	2,169	356	781	39	44	94	16	388	607	51	4,494	45,563
1971	3,353	657	1,423	47	84	168	23	519	944	9	7,227	76,087

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

FREE GRANT LAND

The fiscal year ending March 31st, 1971.

Administrative District	Sales No.	Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
Tweed	1	100	..	..
Totals	1	100	..	..

AGRICULTURAL LAND

The fiscal year ending March 31st, 1971

Administrative District	Sales No.	Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
North Bay	2	260	..	..	..	..	3	340	..	..
Thunder Bay	1	165	..	..	..	..	1	165	..	..
Totals	3	425	..	..	..	..	4	505	..	..

SUMMER RESORT

The Fiscal year ending March 31st, 1971.

Administrative District	Sales No.	Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
Chapleau	27	41.929	..	..	..	..	26	37.041	..	..
Cochrane	12	8.748	3	2.198	..	..	26	18.560	..	..
Fort Frances	113	106.972	2	1.890	1	0.670	132	138.678	..	..
Geraldton	38	29.267	3	2.270	..	..	10	6.736	..	..
Kapuskasing	9	7.378	..	..	..	..	6	4.956	..	..
Kemptville	1	0.800	1	0.770	..	..	11	12.320	..	..
Kenora	187	188.748	2	2.060	1	0.610	169	162.670	..	..
Lindsay	76	50.634	4	2.764	..	..	89	62.728	..	..
North Bay	117	111.114	3	4.040	..	..	69	79.334	..	..
Parry Sound	230	207.728	8	7.700	3	2.720	288	269.155	..	..
Pembroke	22	20.730	..	..	..	..	60	59.810	..	..
Sault Ste. Marie	50	66.087	..	..	1	1.920	52	49.692	..	..
Sioux Lookout	41	44.101	..	..	1	1.480	49	51.995	..	..
Sudbury	243	232.244	2	2.048	2	1.560	167	166.860	..	..
Swastika	52	35.443	1	0.780	..	..	36	31.523	..	..
Thunder Bay	127	117.444	4	3.230	..	..	69	55.751	..	..
Tweed	185	177.429	11	91.300	1	0.850	241	233.066	..	..
White River	9	12.080	..	..	2	4.270	19	20.400	..	..
Totals	1539	1458.876	44	121.050	12	14.080	1519	1461.275	..	..

CITIES, TOWNS and TOWNPLOTS

The fiscal year ending March 31st, 1971.

Administrative District	No.	Sales Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim No.	Deed Acres
Chapleau	2	0.510	..	..	..	..	2	0.368	..	..
Cochrane	2	0.338	..	..	..	..	2	0.310	..	..
Geraldton	4	0.975	..	..	..	..	2	0.430	..	..
Kapuskasung	..	..	..	..	..	..	6	2.426	..	..
Lake Simcoe	..	..	..	..	..	..	1	0.040	..	..
North Bay	2	80.290	..	..	..	..	3	..	..	..
Parry Sound	..	..	..	..	..	..	4	2.000	..	..
Pembroke	..	..	..	..	..	..	4	1.625	..	..
Sault Ste. Marie	3	9.530	..	..	..	..	..	..	..	..
Sudbury	14	5.510	..	..	1	0.110	8	6.710	..	..
Swastika	3	0.630	..	..	..	..	5	1.586	..	..
Thunder Bay	1	0.200	..	..	..	..	2	0.400	..	..
White River	..	..	..	..	..	..	1	0.120	..	..
Totals	31	97.983	..	..	1	0.110	40	16.015	..	..

LAND FOR SPECIAL USE

The fiscal year ending March 31st, 1971.

Administrative District	No.	Sales Acres	Assignments No.	Acres	Cancellations No.	Acres	Patents No.	Acres	Quit Claim Deed No.	Acres
Chapleau	2	0.722	..	..	..	..	3	1,319	..	..
Cochrane	2	11.700	..	..	..	..	5	159,657	..	..
Fort Frances	3	2.130	..	..	..	..	10	48,976	..	..
Geraldton	2	0.860	..	..	..	..	3	13,371	..	..
Kapuskasing	4	154.828	..	..	..	..	3	210,258	..	..
Kemptville	3	23.480	..	..	..	..	5	39,540	4	115,390
Kenora	12	438.833	..	..	..	..	18	178,745	..	..
Lake Erie	2	0.420	..	..	..	..	6	183,062	1	0.274
Lake Huron	2	1.200	..	..	..	..	1	0.200	1	0.690
Lake Simcoe	1	1.010	..	..	..	..	2	11,210	..	..
Lindsay	5	62.340	..	..	..	..	2	0.790	..	..
North Bay	5	242.910	..	..	..	..	3	61,950	2	3,470
Parry Sound	13	159.967	..	..	..	..	26	159,549	..	..
Pembroke	4	99.079	..	..	..	..	5	105,305	..	..
Sault Ste. Marie	8	88.892	..	..	..	..	12	258,598	..	..
Sioux Lookout	6	20.165	..	..	..	..	8	21,805	..	..
Sudbury	17	23.993	..	..	..	..	23	1,592,722	..	..
Swastika	1	109.980	..	..	..	..	7	728,998	..	..
Thunder Bay	4	29.750	..	..	..	..	6	30,680	..	..
Tweed	8	186.603	..	..	..	..	12	90,973	2	11,833
White River	..	..	..	..	..	..	1	11,229	..	..
Totals	104	1,658.862	..	..	..	..	161	3,908,937	10	131.657

LICENCES OF OCCUPATION

The fiscal year ending March 31st, 1971.

Administrative District	Licences		Cancellations	
	No.	Acres	No.	Acres
Chapleau	..	..	1	0.284
Cochrane	1	0.134	1	2.750
Geraldton	1	2.780	1	20.300
Kapuskasing	1	0.830	..	..
Kemptville	..	..	1	0.260
Kenora	1	0.600	2	6.800
Lake Erie	15	33.963	20	42.352
Lake Huron	2	20.880	4	2.127
Lake Simcoe	3	1.419	2	1.650
Lindsay	..	..	2	3.600
North Bay	1	0.073	1	1.380
Parry Sound	6	18.908	7	12.170
Pembroke	1	1.280	4	4.410
Sault Ste. Marie	3	2.450	3	128.560
Sioux Lookout	..	..	3	125.420
Sudbury	4	8.688	1	1.440
Swastika	3	145.355	3	5.635
Thunder Bay	1	0.850	2	0.90
Tweed	7	3,144.791	6	4.151
Totals	50	3,383.001	64	363.379

LEASES

The fiscal year ending March 31st, 1971.

Administrative District	Leases		Cancellations	
	No.	Acres	No.	Acres
Cochrane	2	0.765	1	2.750
Fort Frances	1	4.280	1	2.070
Geraldton	1	117.200	1	2.780
Kenora	2	4.810	1	1.020
Lake Erie	2	0.794	11	2.801
Lindsay	1	7.636	..	..
North Bay	2	49.323	..	..
Pembroke	1	1.050	..	..
Sault Ste. Marie	1	3.030	3	35.730
Sioux Lookout	1	3.980	..	..
Swastika	1	10.830	1	109.980
Thunder Bay	5	22.140	1	2.860
White River	5	9.662	2	15.608
Totals	25	235.500	22	175.599

LAND USE PERMITS ISSUED FROM APRIL 1st, 1970 to March 31st, 1971.

Administrative District	Hunt Camp No.	Hunt Camp Acres	Trapper's Camp No.	Trapper's Camp Acres	Residence No.	Residence Acres	Agricultural No.	Agricultural Acres	Marsh Hay No.	Marsh Hay Acres	Mill Site No.	Mill Site Acres	Sugar Bush No.	Sugar Bush Acres	Boat Houses No.	Boat Houses Acres	Miscellaneous No.	Miscellaneous Acres	Dept. Houses No.
Chapleau.....	105	101.30	88	86.0	146	103.2	..	5.25	..	..	18	321	..	..	60	3.66	54	2,495.43	..
Cochrane.....	166	124.75	11	12.75	32	35.0	2	5.25	..	..	11	154	..	..	4	3.40	57	3,826.71	..
Fort Frances.....	12	6.80	51	43.20	4	2.55	..	..	2	2265	9	60.5	..	..	25	3.72	32	523.25	..
Geraldton.....	41	36.00	65	63.00	98	56.96	..	..	..	..	3	41.0	..	..	11	3.32	70	1,478.83	..
Kapuskasing.....	149	75.35	41	22.2	14	10.65	1	20	11	234	8	216	..	..	5	1.04	87	28,956.12	..
Kemptville.....	15	15	..	..	6	5.50	..	..	14	1332	..	..	..	..	..	..	3	7.0	..
Kenora.....	19	19.5	87	82.7	11	7.0	..	..	10	3141	21	103.5	..	..	41	5.3	114	1,692.85	2
Lake Erie.....	..	..	..	..	30	15.0	2	80	..	..	..	..	..	..	64	6.4	..	..	..
Lake Huron.....	..	..	..	..	1	0.1	7	433	2	50	..	..	..	..	..	..	3	0.5	..
Lake Simcoe.....	5	5	..	..	6	5	..	..	3	220	..	..	..	..	15	2.7	18	87.1	..
Lindsay.....	329	322.19	..	..	10	5.8	..	..	3	50	..	..	1	50	13	5.8	23	38.3	..
North Bay.....	312	311.5	11	10	15	12.5	2	3	5	125	12	105	2	100	44	8.3	46	5,798.2	..
Parry Sound.....	635	631.4	16	14.62	25	17.78	1	20	2	25	2	10	5	400	42	8.8	69	3,477.52	..
Pembroke.....	318	313	..	..	20	14	..	..	..	..	14	244.7	..	..	6	1.5	18	160.27	..
Sault Ste. Marie.	112	98.19	45	46.19	148	41.87	1	1	3	115	11	54	7	350	5	2.16	56	2,364.26	..
Sioux Lookout....	42	41	154	148.5	749	276.7	2	8	..	..	13	82.5	..	..	6	2.35	105	1,164.87	7
Sudbury.....	433	432.5	28	27.5	54	84.88	6	40	8	452	22	182.6	7	290	110	59.61	49	3,806.74	..
Swastika.....	88	90.03	7	9.5	30	33.65	19	502	6	120	20	145	..	..	13	1.3	36	500.6	..
Thunder Bay.....	26	20.88	10	12.6	3	2.38	2	10	1	40	2	76.07	..	..	4	1.29	27	1,287.68	..
Tweed.....	535	529.7	..	..	3	4	2	5.5	9	239	1	5	1	50	47	10.1	30	327.3	..
White River.....	11	8.3	43	40.87	18	11.41	..	..	..	..	1	5	..	..	4	8.9	47	613.19	..
TOTALS.....	3353	3182.39	657	619.63	1423	745.93	47	1127.75	84	8618	168	1805.87	23	1240	519	141.65	944	58,606.72	9

NEW POLICIES

[illegible]

SURVEYS AND ENGINEERING BRANCH

SURVEYORS-GENERAL OR DIRECTORS OF SURVEYS

Samuel Holland		
Northern District of		
North America (Quebec)	1764-1801	Surveyor-General
(Lower Canada 1800-1801) .		
Sir D. W. Smith		
First Surveyor-General		
of Province of Upper Canada	1800-1804	Surveyor-General
C. B. Wyatt	1804-1805	Surveyor-General
William Chewett and		
Thomas Ridout	1805-1810	Surveyor-General
Thomas Ridout	1810-1829	Surveyor-General
Hon. S. P. Hurd	1832-1835	Surveyor-General
J. Macaulay	1836-1838	Surveyor-General
Hon. R. B. Sullivan	1838-1840	Surveyor-General
Thos. Parke	1841-1845	Surveyor-General
* G. B. Kirkpatrick	1880-1917	Director of Surveys
* L. V. Rorke	1918-1928	Director of Surveys
† L. V. Rorke	1928-1936	Deputy Minister/ Surveyor-General
‡ C. H. Fullerton	1936-1946	Surveyor-General
F. W. Beatty	1946-1962	Surveyor-General
Robert G. Code	1962-	Surveyor-General

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as the Division of Surveys with two Branches, Lands and Surveys. In 1959 the Branches became Sections in Lands and Surveys Branch. Land Use Planning Section was added in 1958 and Land Acquisition Section in 1963. These two sections merged as Land Acquisition and Planning Section in 1966. In the departmental re-organization of 1971, the Lands and the Land Acquisition and Planning Sections were removed to form the new Lands and Waters Branch. The Engineering Services Section, established in the Forest Protection Branch in 1969, was combined in the 1971 re-organization with Surveys Section to form the Surveys and Engineering Branch.

The Ontario Geographic Names Board was formed in 1971 pursuant to the enactment of The Ontario Geographic Names Board Act, 1968.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

SURVEYS AND ENGINEERING BRANCH

Director: ROBERT G. CODE

SURVEYS SECTION

Supervisor:

Cadastral and control surveying and mapping; maintaining and servicing for title and record purposes surveys of Crown lands, original plans, field notes and survey records; re-surveys, Municipal surveys, restoration of original posts and lines; map compilation and distribution.

ENGINEERING SERVICES SECTION

Supervisor: S. B. Panting

Design, construction and maintenance of dams, docks, and other hydraulic structures, channel improvements, dredging. Liaison on capital works program. Provincial Sign Shop. Consulting services, pre-engineering reports. Water resources management. Approval of dams and diversions. Consultation on forest access road construction and maintenance.

THE ONTARIO GEOGRAPHIC NAMES BOARD

Board Secretary: M. B. Smart

Compilation, authorization and maintenance of an accurate and systematic nomenclature for places and geographical features in Ontario.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2,400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square - no road allowances - Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 206 township subdivision surveys have been annulled, as of October 31, 1969, under the provisions of Section 10 (1) of The Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 43 in 1874 and retraced in 1932 to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1930 and to James Bay in 1931.

The Ontario-Quebec boundary from Lake St. Francis to the Ottawa River was originally traced in 1860 by E.T. Fletcher, P.L.S., reviewed in 1922 by P.E. Mercier, Q.L.S. and E.T. Wilkie, O.L.S., and inspected in 1969 by D.E. Norris, O.L.S. and G. Tanguay, Q.L.S.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The present policy is to convey land wherever possible in accordance with registered plans of subdivision. From February, 1959, to March 31, 1970, a total of 938 plans of subdivision for summer cottage purposes have been registered, covering 11,406 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

ENGINEERING SERVICES SECTION

Engineering Services Section was created April 1, 1969 within Forest Protection Branch by combining the Plant and Equipment Unit of Protection Section with the former Water Control Branch of the Department of Public Works which included the Construction Depot at Huntsville. In the departmental re-organization of 1971 Engineering Services Section became part of Surveys and Engineering Branch and was restructured to include the Water Resources Management and Roads Co-ordination Units formerly in Lands and Surveys Branch.

The Section supplies support to head office operating branches and districts in those aspects of departmental programs requiring professional engineering, engineering technology and construction expertise.

Co-ordination and planning of the Major Capital Program of the Department is effected through liaison with the Department of Public Works, Treasury Board and affected branches, districts and regions.

The Section carries out engineering projects related to water use and management by pre-engineering, design, inspection, construction and maintenance of dams, docks, navigation locks and other hydraulic structures or facilities as well as improvements to flow channels and dredging.

Under The Lakes and Rivers Improvement Act, the location and plans and specifications of all dams on lakes, rivers and streams must be submitted to the Section for approval before construction.

The Department controls the discharge of water through all dams owned by the Province and regulates the discharge of water from lakes where dams have been constructed or reconstructed for purposes connected with the programs of the Department.

The Section provides engineering consultation for design, construction, improvement or reconstruction of departmental facilities. It also provides consultation for the construction and maintenance of forest access roads and assistance to the Northern Ontario Resource Transportation Committee Secretariat.

THE ONTARIO GEOGRAPHIC NAMES BOARD

The enactment of The Ontario Geographic Names Board Act, 1968, enabled the establishment of the seven member Ontario Board.

The Board is composed of five members appointed July 7, 1971 by the Lieutenant Governor in Council, the Board Secretary appointed by the Minister July 20, 1970, and the Surveyor General as the ex officio member.

The Surveyor General is the Ontario member of the Canadian Permanent Committee on Geographical Names.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20, 20A*	Territorial Series	Electoral 33A	Misc.	Total	Provincial Topographical Series	National Topographical Series	Grand Total
1947	3,650	7,378	141	5,475	16,644	.....	10,535	27,179
1948	1,975	7,373	25	1,774	11,147	.....	11,215	22,362
1949	4,800	8,169	169	3,391	16,529	.....	15,241	31,770
1950	1,896	7,560	152	6,827	16,435	.....	17,013	33,448
1951	2,814	6,730	61	4,453	14,058	.....	21,435	35,493
1952	2,096	9,426	311	4,509	16,342	3,925	20,214	40,481
1953	1,990	8,156	207	5,271	15,624	2,242	30,310	45,934
1954	2,734	9,254	64	5,976	18,028	9,596	24,863	52,487
1955	3,045	12,137	250	9,832	25,264	14,223	34,060	73,547
1956	2,113	10,475	839	2,712	16,139	12,928	35,676	64,743
1957	2,212	11,687	190	13,845	27,934	16,036	33,977	77,947
1958	1,831	12,592	126	2,726	17,275	17,720	44,328	79,323
1959	2,435	9,071	259	11,310	23,075	21,458	47,329	91,862
1960	1,285	9,728	320	9,543	20,876	25,357	43,534	89,767
1961	1,333	6,906	142	8,435	16,816	26,111	36,993	79,920
1962	2,523	10,755	503	19,084	32,865	33,018	45,848	111,731
1963	1,194	11,215	193	9,517	22,119	21,842	47,712	91,673
1964	652	8,255	313	9,503	18,723	9,525	34,160	62,408
1965	651	9,152	257	6,651	16,711	7,060	35,210	58,981
1966	586	9,881	135	14,526	25,128	2,543	39,697	67,368
1967	664	8,654	4,849	13,033	27,200	6,157	40,854	74,211
1968	766	8,443	2,094	12,785	24,088	8,931	49,734	82,753
1969	503	7,826	718	7,140	16,187	19,147	54,479	89,813
1970	712	8,678	1,018	9,507	19,915	28,911	64,205	113,031
1971	644	9,284	1,919	9,925	21,772	30,706	72,199	124,677

RETRACEMENT SURVEYS

In years ending March 31st

Year	MILES
1958	70
1959	50
1960	118
1961	170
1962	325
1963	290
1964	235
1965	321
1966	385
1967	313
1968	280
1969	270
1970	265
1971	300

INSTALLED CAPACITY IN HORSE-POWER

Of All Plants Under Crown Lease
In years ending March 31st

Year	H. P.
1958	2,767,890
1959	3,796,190
1960	4,327,490
1961	4,380,490
1962	4,500,490
1963	4,500,490
1964	4,654,820
1965	4,673,420
1966	4,861,420
1967	5,049,420
1968	5,273,420
1969	5,441,420
1970	5,777,420

OUTDOOR RECREATION DIVISION

Outdoor Recreation Division is concerned with meeting man's psychological and physical needs associated with leisure and with the economic impact of tourism. The scope of responsibility includes providing opportunities for a wide variety of outdoor recreational experiences.

This division includes Parks and Recreation Areas Branch, Sport Fisheries Branch, Wildlife Branch, and a Policy and Planning Group.

Stuart S. Peters was appointed Executive Director on April 1, 1971.

OUTDOOR RECREATION DIVISION

Executive Director: STUART S. PETERS

PARKS AND RECREATION AREAS BRANCH

Director: J.W. Keenan

SPORT FISHERIES BRANCH

Director: J.D. Roseborough

WILDLIFE BRANCH

Director: F.A. Walden

POLICY AND PLANNING GROUP

Director: D.W. Simkin

PARKS AND RECREATION AREAS BRANCH

Until October 1, 1954, the administration of the provincial parks program came under the jurisdiction of the Lands Branch. The Division of Parks was established within the Department of Lands and Forests on this date and renamed Parks Branch in 1959. W. B. Greenwood was Chief of the branch from October 1, 1954 to April 1, 1961. He was succeeded by A. B. Wheatley on April 1, 1961, and by D. R. Wilson on May 1, 1965.

In 1965, the branch was enlarged and reorganized into three sections: Recreational Planning, Park Planning and Development, and Park Management.

P. Addison was appointed branch chief on January 1, 1967, and at that time, the responsibility for water access points, wilderness areas, canoe routes and trails, as well as other recreational activities on Crown land, was transferred to Parks Branch.

A park classification and land zoning system was also adopted in 1967. The five park classes are Primitive, Natural Environment, Wild River, Recreation and Nature Reserve. The five zones are Primitive, Natural, Multiple Use, Historical and Recreational.

In keeping with the Department reorganization and decentralization program, a number of branch functions were transferred to the regional organization and the branch itself was reorganized into 2 sections — Park Development and Operations, and Planning.

Mr. Addison, the Branch Chief, retired on July 1, 1971, and was replaced by J. W. Keenan.

Waterfowl hunting is provided in Darlington, Holiday Beach, Long Point, Presqu'ile and Rondeau Provincial Parks.

Pheasant hunting on a put-and-take basis is provided in Darlington, Earl Rowe, Point Farms and Sibbald Point Provincial Parks.

Winter programs including camping are provided at Sibbald Point, Pinery, Arrowhead and Rondeau Provincial Parks.

The program of documenting, mapping and improving portages on major canoe routes was continued to provide canoeing opportunities outside provincial parks. A brochure entitled "Northern Ontario Canoe Routes" was made available to the public in 1971.

PARKS AND RECREATION AREAS BRANCH

DIRECTOR: J. W. KEENAN

DEVELOPMENT & OPERATIONS

Supervisor: R. H. Hambly

**Structure & Facility Design.
Standards of Park Operation & Maintenance.
Supervision of Operating & Development
Expenditures.
Interpretive Programs.
Park User Statistics.
Recreation on Public Lands, eg. Canoe Routes,
Hiking Trails.
Snowmobile Trails & Access Points.
Concessions.**

PLANNING

Supervisor: T. E. Lee

**Systems Planning for Parks & Related Public
Recreational Areas and Activities.
Establishment of Parks & Park Reserves.
Land Acquisition Priorities & Procedures.
Master Planning Program.
Recreation Standards.
Site Planning Audit.
Environmental Planning
Nature Reserves Program.
Architectural Themes & Concepts.**

Secretary To:

ONTARIO PARKS INTEGRATION BOARD

C. R. Tilt

PUBLIC USE OF PROVINCIAL PARKS

Year	Camper-Days	Campers	Wilder- ness Campers	Vehicles	Total Visitors
1957	.....	116,000	.....	629,666	2,114,661
1958	.....	196,000	16,309	927,871	3,232,460
1959	.....	340,000	50,403	1,420,180	5,127,199
1960	.....	421,000	35,778	1,552,662	5,692,978
1961	.....	613,000	57,992	1,725,876	6,215,370
1962	.....	750,000	46,753	2,182,363	7,820,994
1963	.....	840,491	49,372	2,373,223	8,526,443
1964	.....	916,281	49,112	2,537,483	9,147,218
1965	2,495,284	902,472	53,653	2,437,988	8,875,668
1966	2,653,055	994,787	52,722	2,738,664	9,791,671
1967	2,805,123	1,155,091	49,957	2,817,362	10,192,533
1968	2,457,801	1,119,912	59,377	2,588,242	9,440,211
1969	2,956,214	1,360,639	51,522	2,946,228	10,459,936
1970	3,524,322	1,531,528	*56,000	3,468,758	12,172,254
1971	3,781,959	1,618,094	*68,000	3,900,446	13,643,936

*Estimated

ATTENDANCE AT INTERPRETIVE PROGRAMS

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
1946	1	3,436	.....	...	...	3,436
1947	1	5,917	.....	...	...	5,917
1948	1	6,854	.....	...	...	6,854
1950	1	.....	6,173	363	1,230	7,766
1951	1	.....	5,390	413	2,343	8,146
1952	2	200	14,341	752	3,017	18,310
1953	2	53,843	12,761	952	6,311	73,867
1954	3	72,889	18,920	1,353	9,714	102,826
1955	3	75,711	25,388	1,927	8,444	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	216,672	38,771	5,782	23,988	286,213
1960	9	298,129	46,679	6,958	24,296	376,062
1961	8	311,291	46,955	7,104	29,626	394,976
1962	12	374,475	55,553	9,748	47,641	487,417
1963	11	371,275	61,647	10,949	51,143	495,014
1964	12	390,792	80,815	10,458	49,235	531,300
1965	19	326,298	81,462	10,515	51,639	469,914
1966	21	392,403	88,004	11,453	53,161	545,021
1967	23	384,666	117,009	20,421	57,754	579,850
1968	23	420,617	114,731	14,123	121,127	661,598
1969	25	447,565	104,688	19,481	202,363	774,097
1970	26	401,090	121,866	22,643	208,422	754,021

1970 ATTENDANCE

	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
Algonquin.....	229,960	63,489	5,421	116,983	415,853
Arrowhead.....	.....	.....	432	2,811	3,243
Darlington.....	3,589	.....	.....	.....	3,589
Grundy.....	.....	2,951	626	7,707	11,284
Inverhuron.....	32,100	.....	.....	.....	32,100
Killbear Point....	3,000	4,160	1,320	10,775	19,255
Lake Superior.....	.....	17,634	647	4,208	22,489
Petroglyphs.....	15,810	.....	.....	.....	15,810
Pinery.....	14,240	.....	4,950	10,550	29,740
Presqu'ile.....	21,680	4,722	2,092	10,840	39,334
Quetico.....	9,635	3,556	1,033	3,528	17,752
Rondeau.....	21,535	.....	381	3,751	25,667
Serpent Mounds....	22,821	.....	.....	.....	22,821
Sibbald Point.....	21,000	.....	1,025	10,400	32,425
Sibley.....	5,720	3,073	1,291	2,750	12,834
Other Parks.....	.....	22,281	3,425	24,119	49,825
TOTAL.....	401,090	121,866	22,643	208,422	754,021

* GROWTH OF PROVINCIAL PARKS

YEAR	CAMPING		RESERVE AREAS		PROVINCIAL PARKS	
	Parks	Units	No.	Acreage	No.	Acreage
1961	68	10,591	18	201,826	77	3,465,973
1962	72	12,745	14	190,225	81	3,481,158
1963	74	13,951	27	270,503	86	3,696,368
1964	76	14,622	50	559,502	88	3,711,464
1965	80	15,427	55	437,338	89	3,742,160
1966	81	15,922	60	513,112	92	3,747,267
1967	83	16,201	61	530,780	94	3,756,255
1968	83	17,322	71	1,070,886	96	8,425,126
1969	85	18,039	78	1,239,973	97	8,379,596
1970	88	18,296	81	1,236,933	108	10,236,909
1971	91	18,941	101	1,258,221	110	10,222,848

*The first eight Provincial Parks were established as follows: Algonquin in 1893; Rondeau, 1894; Quetico, 1909; Long Point, 1921; Presqu'île, 1922; Ipperwash, 1938; and Lake Superior and Sibley in 1944.

110 PROVINCIAL PARKS IN OPERATION IN 1971

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	No. of Campsites	Campers	Camper Days	Total Visitors
AYLMER							
Holiday Beach	489	0. Reg. 254/58	1957	56	4,503	10,067	263,678
Ipperwash.....	146	Est. in 1938	1938	266	21,275	93,525	302,478
Iroquois Beach.....	560	0. Reg. 114/71	1970	29	1,853	4,031	231,163
John E. Pearce.....	168	0. Reg. 114/71	1957	.....	.....	.....	.....
Long Point.....	849	0. Reg. 144/57	1956	327	20,853	56,167	216,723
Pinery.....	5,250	0. Reg. 110/64	1957	1,075	126,419	261,077	1,722,831
Port Bruce.....	8	.....	1957	.....	.....	.....	.....
Rock Point.....	241	0. Reg. 165/70	1957	47	5,390	9,014	100,717
Rondeau.....	11,454	Est. in 1894	1894	433	49,915	104,533	569,811
Selkirk.....	145	0. Reg. 388/67	1967	167	6,207	12,859	92,793
Turkey Point.....	782	0. Reg. 70/59	1959	472	13,797	28,315	663,595
Wheatley.....	596	0. Reg. 114/71	1965	187	12,828	32,392	155,764
DISTRICT TOTAL.....	20,685	.....	...	3,059	262,740	611,980	4,319,553
CHAPIEAU							
Five Mile Lake.....	1,128	0. Reg. 165/70	1961	85	4,250	8,291	9,110
Ivanhoe Lake.....	3,276	0. Reg. 114/71	1960	144	12,688	22,213	42,334
Missinibi Lake.....	108,877	0. Reg. 165/70	1969	44	2,068	7,895	3,141
Nakami Lake.....	5,928	.....	1969	54	4,183	11,665	18,371
The Shoals.....	27,670	0. Reg. 165/70	1971	56	5,316	7,668	7,259
DISTRICT TOTAL.....	146,879	.....	...	383	28,505	57,732	80,215
COCHRANE							
Greenwater.....	10,970	0. Reg. 117/63	1961	52	4,949	10,340	25,937
Kettle Lakes.....	2,417	0. Reg. 117/63	1957	130	13,994	27,318	68,826
Polar Bear.....	5,952,000	0. Reg. 290/70	...	.....	.....	.....	.....
Tidewater.....	2,421	0. Reg. 165/70	1965	32	.....	.....	.....
DISTRICT TOTAL.....	5,967,808	.....	...	214	18,943	37,658	94,763

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	No. of Campsites	Camper Days	Total Visitors
FORT FRANCES						
Caliper Lake.....	331	0. Reg. 165/70	1956	90	9,937	52,201
Lake of the Woods.....	2,673	0. Reg. 245/67	1960	100	5,695	21,985
Quetico.....	1,148,800	Est. in 1909	1913	135	15,864	69,745
DISTRICT TOTAL.....	1,151,804	.....	....	325	30,996	143,931
GERALDTON						
Blacksand.....	3,353	0. Reg. 114/71	1960	94	5,104	16,992
Klotz Lake.....	210	0. Reg. 165/70	1957	27	3,688	17,912
MacLeod Lake.....	200	0. Reg. 117/63	1957	55	7,931	47,934
Ney's.....	8,150	0. Reg. 346/65	1963	120	21,917	48,083
Rainbow Falls.....	1,422	0. Reg. 206/63	1960	150	30,441	66,935
DISTRICT TOTAL.....	13,335	.....	....	446	69,081	197,856
HESFIER						
Craigleith.....	162	0. Reg. 114/71	1956	170	18,773	80,357
Cyprus Lake.....	1,654	0. Reg. 114/71	1969	168	17,664	95,902
Inverhuron.....	545	0. Reg. 245/67	1959	324	27,413	215,759
Point Farms.....	760	0. Reg. 165/70	1965	235	20,482	88,255
Sauble Falls.....	50	0. Reg. 114/71	1955	151	14,254	135,750
DISTRICT TOTAL.....	3,171	.....	....	1,048	98,586	616,023
KAPUSEASING						
Nagamisis.....	14,446	0. Reg. 165/70	1960	83	4,529	11,799
Remi Lake.....	7,040	0. Reg. 245/69	1956	89	7,268	82,741
DISTRICT TOTAL.....	21,486	.....	....	172	11,797	94,540

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	No. of Campsites	Campers	Camper Days	Total Visitors
KEMPTVILLE							
Carlillon.....	1,715	0. Reg. 343/66	1970	302	8,086	10,736	46,769
Fitzroy.....	457	0. Reg. 320/68	1961	251	18,948	41,318	156,007
Rideau River.....	170	0. Reg. 161/64	1958	185	18,862	37,080	239,045
Silver Lake.....	78	0. Reg. 117/63	1956	197	15,592	42,126	103,586
South Nation.....	13	0. Reg. 204/60	1956	28	4,492	4,949	30,507
DISTRICT TOTAL.....	2,433	.....	....	963	65,890	136,209	575,714
KENORA							
Aaron.....	173	0. Reg. 320/68	1956	81	10,837	12,555	42,726
Blue Lake.....	874	0. Reg. 245/69	1956	175	14,903	35,915	45,272
Rushing River.....	469	0. Reg. 358/67	1956	165	20,555	41,542	97,486
Sioux Narrows.....	320	0. Reg. 114/71	1956	71	5,821	10,616	27,501
DISTRICT TOTAL.....	1,836	.....	....	492	52,116	100,628	212,985
LINDSAY							
Balsam Lake.....	1,109	0. Reg. 114/71	1963	434	29,873	85,856	108,531
Darlington.....	380	0. Reg. 205/64	1960	400	33,645	51,543	188,670
Emily.....	157	0. Reg. 144/57	1958	300	21,069	47,631	174,543
Ferris.....	490	0. Reg. 114/71	1966	.....	.....	.....	.....
Mark S. Burnham.....	100	0. Reg. 48/60	1960	.....	.....	.....	.....
Presqu'île.....	2,170	Est. in 1922	1956	500	38,049	74,238	319,400
Serpent Mounds.....	138	0. Reg. 165/70	1958	130	15,373	45,501	220,582
DISTRICT TOTAL.....	4,544	.....	....	1,764	138,009	304,769	1,011,726

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	No. of Campsites	Campers	Camper Days	Total Visitors
MAPLE							
Bass Lake.....	87	0. Reg. 358/67	1957	154	20,394	42,158	208,226
Devil's Glen.....	72	0. Reg. 316/65	1956	40	5,368	7,211	57,885
Earl Rowe.....	743	0. Reg. 161/64	1960	441	46,446	114,925	323,544
Mar.....	112	0. Reg. 165/70	1965	104	11,824	24,920	93,661
McRae Point.....	170	0. Reg. 114/71	1971	125	1,783	3,449	17,945
Sibbald Point.....	556	0. Reg. 165/70	1957	725	47,283	130,884	386,161
Six Mile Lake.....	183	0. Reg. 42/58	1960	187	20,948	41,395	144,948
Springwater.....	116	0. Reg. 251/58	1930	.....	.....	.....	84,037
Wasaga Beach.....	297	0. Reg. 179/65	1959	.....	.....	.....	575,114
DISTRICT TOTAL.....	2,336	.....	....	1,776	154,046	364,942	1,891,521
NORTH BAY							
Antoine.....	30	0. Reg. 114/71	1958	30	1,173	1,480	1,529
Finlayson Point.....	91	0. Reg. 114/71	1956	124	9,582	24,974	50,507
Marten River.....	1,034	0. Reg. 117/63	1956	216	16,216	35,855	85,409
Samuel de Champlain.....	5,805	0. Reg. 114/71	1960	224	12,480	25,702	54,651
DISTRICT TOTAL.....	6,960	.....	....	594	39,445	88,011	192,096
PARRY SOUND							
Arrowhead.....	1,920	0. Reg. 114/71	1966	330	19,673	53,007	146,388
Grundy Lake.....	6,310	0. Reg. 70/59	1958	535	40,360	121,905	219,246
Killbear Point.....	4,340	0. Reg. 114/71	1960	1,032	44,560	233,301	298,003
Mikisew.....	133	0. Reg. 320/68	1959	276	12,719	45,675	51,107
Oastler Lake.....	78	0. Reg. 358/67	1956	188	16,443	49,059	192,595
Restoule.....	1,635	0. Reg. 165/70	1962	225	7,906	35,032	45,400
Sturgeon Bay.....	35	0. Reg. 358/67	1956	87	74,521	25,850	48,691
DISTRICT TOTAL.....	14,451	.....	....	2,673	149,115	563,829	1,001,430

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	No. of Campsites	Campers	Camper Days	Total Visitors
FEMBRIDGE							
Algonquin.....	1,862,400	Est. in 1893	1893	1,245	98,063	298,897	716,287
Carson Lake.....	34	0. Reg. 114/71	1956	47	3,344	8,155	5,494
Driftwood.....	655	0. Reg. 117/63	1958	95	7,337	15,278	10,572
Bonnechere.....	280	0. Reg. 114/71	1967	115	5,676	18,433	10,329
DISTRICT TOTAL.....	1,863,379	.....	....	1,502	114,420	340,763	742,682
THUNDER BAY							
Inwood.....	82	0. Reg. 251/58	1956	80	18,072	18,554	77,339
Kakabeka Falls.....	1,039	0. Reg. 114/71	1957	154	43,965	51,686	311,692
Middle Falls.....	11	0. Reg. 204/60	1956	20	6,763	6,817	46,750
Sibley.....	60,380	0. Reg. 165/70	1944	216	18,142	34,290	91,920
DISTRICT TOTAL.....	61,512	.....	....	470	86,942	111,347	527,701
SAULT STE. MARIE							
Batchawana.....	33	0. Reg. 269/58	1965	.....	.....	.....	54,874
Mississagi.....	7,124	.....	1965	112	6,010	13,841	50,433
Pancake Bay.....	1,151	0. Reg. 320/68	1958	278	38,621	52,987	231,671
DISTRICT TOTAL.....	8,308	.....	....	390	44,631	66,828	336,978
STOIX LOOKOUT							
Ojibway.....	6,130	0. Reg. 346/65	1962	69	3,249	7,236	5,569
Pekwash.....	1,507	0. Reg. 358/67	1962	56	2,012	4,100	20,404
Sand Bar.....	7,800	0. Reg. 165/70	1970	76	9,093	10,946	27,946
DISTRICT TOTAL.....	15,437	.....	....	201	14,354	22,282	53,919
SUDBURY							
Chutes.....	270	0. Reg. 165/70	1962	91	25,314	29,011	101,343
Fairbank.....	214	0. Reg. 144/57	1958	130	15,960	27,292	75,999
Killarney.....	84,350	0. Reg. 183/64	1963	160	9,783	37,907	56,817
Windy Lake.....	293	0. Reg. 114/71	1957	76	6,957	23,564	80,589
DISTRICT TOTAL.....	85,127	.....	....	457	58,014	117,774	314,748

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	No. of Campsites	Campers	Camper Days	Total Visitors
SWASTIKA							
Esler Lakes.....	7,680	0. Reg. 144/57	1958	136	5,926	17,762	43,217
Lap-Kig-Iwan.....	759	0. Reg. 114/71	1959	64	5,106	7,193	36,266
DISTRICT TOTAL.....	8,439	.....	....	200	11,032	24,955	79,483
TWEED							
Black Lake.....	99	0. Reg. 117/63	1956	200	15,020	40,722	80,457
Bon Echo.....	16,417	0. Reg. 114/71	1957	400	27,979	110,020	197,391
Lake St. Peter.....	62	0. Reg. 114/71	1967	60	6,925	12,604	47,709
Outlet Beach.....	675	0. Reg. 320/68	1959	482	36,980	117,098	401,512
Sandbanks.....	1,802	0. Reg. 165/70	1962	.....	2,487	5,416	64,928
North Beach.....	221	0. Reg. 165/70	1966	.....	.....	.....	87,599
Lake on the Mountain.....	256	0. Reg. 141/57	1955	.....	.....	.....	.....
DISTRICT TOTAL.....	19,532	.....	....	1,142	89,391	285,860	879,596
WHITE RIVER							
Lake Superior.....	340,487	0. Reg. 64/64	1944	355	42,020	59,993	162,758
Obatanga.....	34,035	0. Reg. 358/67	1964	110	13,468	17,387	26,753
White Lake.....	4,265	0. Reg. 114/71	1962	205	25,317	44,844	88,837
DISTRICT TOTAL.....	378,787	.....	....	670	80,805	122,224	278,348
WILD RIVER PARKS							
Mattawa.....	8,143	0. Reg. 165/70	....	.....	.....	.....	.....
Winisk.....	415,400	0. Reg. 474/69	....	.....	.....	.....	.....
DISTRICT TOTAL.....	423,543	.....	....	.....	.....	.....	.....
NATURE RESERVES							
Gibson River.....	415	0. Reg. 362/68	....	.....	.....	.....	.....
Matanatchan.....	160	0. Reg. 362/68	....	.....	.....	.....	.....
Montreal River.....	108	0. Reg. 362/68	....	.....	.....	.....	.....

DISTRICT Park	Area (Acres)	Regulation	First Year Operated	No. of Campsites	Campers	Camper Days	Total Visitors
NATURE RESERVES (Cont'd)							
Porphry Island.....	264	0. Reg. 362/68	....	.....	.....	.....	.....
Trillium Woods.....	25	0. Reg. 245/69	....	.....	.....	.....	.....
Waubaushene Beaches.....	84	0. Reg. 245/69	....	.....	.....	.....	.....
DISTRICT TOTAL.....	1,056	.....	....	.....	.....	.....	.....
PROVINCIAL							
TOTALS.....	10,222,848	.....	....	18,941	1,618,094	3,786,959	13,644,008

81 PROVINCIAL PARK RESERVE AREAS IN 1970

DISTRICT Reserve Area	AREA (Acres)	LOCATION
CHAPLEAU		
The Shoals	26,600	Cosens, Topham, Peters, Triquet Twps.
COCHRANE		
Pierre-Montreuil	41,728	McQuibban, Swartman Twps.
Long Point Peninsula ...	18,500	Lake Abitibi
Dana Lake	6,400	Carscallen, Keefer, Denton Twps.
Otter Rapids	486	Pitt Twp.
FORT FRANCES		
Warner Lake	7,450	South of Tanner Twp.
Sandpoint Island	1,970	Rainy Lake
Pow-wow Campgrounds .	1,730	Shoal Lake
GERALDTON		
Purgatory Chutes	100	South of Fernow Twp.
Steel River	2,700	Twp. 81
Esnagami River	58,000	Esnagami, Alpha, Rupert Twps.
Partridge Lake	6,500	Legault, Colter Twps.
Lukinto Lake	2,250	South of O'Meara Twp.
Humboldt Bay	73,000	Lake Nipigon
Cypress, Gravel Rivers .	1,650	North Shore, Lake Superior
KAPUSKASING		
Lake Nagagami	4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Fushimi Lake	26,775	Fushimi, Bannerman, Stoddart, Hanlan Twps.
KEMPTVILLE		
Murphy's Point	1,161	North Burgess Twp.
Charleston Lake	1,951	Lansdowne Twp.
Mouth of Tay	165	North Elmsley Twp.
Kilmarnock	82	Montague Twp.
KENORA		
Pipestone	3,560	Lake of the Woods
Pistol Lake	4,000	Minaki Area
LAKE ERIE		
James N. Allan	266	Dunne Twp.
Effingham	455	Thorold, Pelham Twps.
Tremblay Beach	189	Tilbury North Twp.
LAKE HURON		
Stokes Bay	545	Eastnor Twp.
Beaver Valley	250	Euphrasia Twp.
LAKE SIMCOE		
Matchedash	6,200	Matchedash Twp.
Methodist Point	2,800	Tiny Twp.
McRae Point	162	Mara Twp.
Scugog Island	411	Scugog Twp.
Duclos Point	160	Georgina Twp.
Noisy River	100	Nottawasaga Twp.
Primrose	1,200	Mulmur, Melancthon Twps.
Allandale, G.R.	83	Innisfil Twp.
Couchiching	108	Orillia Twp.
Bass Lake Nature Reserve	190	Oro Twp.

LINDSAY

Red Pine Lake.....	6,580
Silent Lake.....	1,863
Kawartha Highlands.....	3,804
Gull River.....	40
Wolf Island.....	464
Kendall Recreation Area	268
McDonald Nature Reserve	83

Sherborne, Stanhope Twps.
Cardiff Twp.
Cavendish, Anstruther Twps.
Sommerville, Laxton Twps.
Harvey Twp.
Harvey Twp.
Haldimand Twp.

NORTH BAY

W.B. Greenwood.....	23,000
Mashkinonje.....	2,543

Coleman, Banting, Best
Brigstocke Twps.
Haddo Twp.

PARRY SOUND

McDonald Bay.....	1,000
O'Donnell Point.....	2,130
Round Lake.....	24,265
South Bay.....	3,936
Bigwind Lake.....	5,400
Shawanaga Basin.....	2,560
Moon Island.....	15,000
Restoule.....	1,155

Baxter, Gibson Twps.
Freeman Twp.
Shawanaga, Ferguson, Burpee Twps.
Nipissing Twp.
Oakley Twp.
Shawanaga, Harrison Twps.
Conger, Cowper, Freeman Twps.
Patterson Twp.

PEMBROKE

Round Lake.....	306
-----------------	-----

Richards Twp.

SAULT STE MARIE

Aubrey Falls.....	17,000
Mississagi.....	97,100

Twp. 4D, Mississagi River
Twps. U, Q, 1A, 163, 157, 161, 162,
156

SIOUX LOOKOUT

Irregular Lake.....	370,000
White Otter Lake.....	60,000

40 Miles SW of Red Lake
25 Miles NW of Atikokan

SUDBURY

Wahnipitae Lake.....	1,300
Halfway Lake.....	58,240
Dividing Lake.....	19,240
Lacloche Lake.....	6,200

Rathbun Twp.
Muldrew, Antrim, Athlone, Morse
Twps.
Chester, Invergarry Twps.
Harrow Twp.

SWASTIKA

McCann.....	640
-------------	-----

McCann Twp.

THUNDER BAY

Silver Falls.....	8,800
Kopka Lake.....	89,650
Kashabowie Lake.....	19,130
Arrowhead Penn.....	850
Inwood.....	1,000
Eaglehead Lake.....	750
Arrow Lake.....	100
Ouimet Canyon.....	1,920

Dog Lake
West side of Lake Nipigon
Kashabowie Lake
North Light Lake
Inwood Twp.
Eaglehead Lake
Arrow Lake
Dorion Twp.

TWEED

Frontenac.....	6,509
McKenzie Lake.....	3,408
Casey Point.....	81
Wolfe Island.....	709
Black Donald.....	9,841

Bedford, Loughborough Twps.
McClure Twp.
Kingston Twp.
Wolfe Twp.
Brougham Twp.

WHITE RIVER

Kawapitapika Lake.....	2,800
Kakakiwibik Lake.....	58,880

Cecile, Knowles Twps.
Twp. 66, Cooper, Tedder Twps.

TOTAL 1,236,933

WILDERNESS AREAS

The Following have been declared wilderness areas under The Wilderness Areas Act of 1959 for the reasons stated.

O. Reg. 281/60 - Filed Oct. 21/60.

1. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
3. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
4. ABITIBI LAKE NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an Old Indian burial ground.
5. OLD FORT ALBANY -- 11 acres in District of Cochrane - This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.

O. Reg. 259/64 - Filed Oct. 5/64

5A. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vacinium-mosses, brush-alder, mountain maple and dogwood.

O. Reg. 281/60 - Filed Oct. 21/60.

6. KISHKEBUS LAKE- 332 acres in Barrie Township, Frontenac County -- Area of high aesthetic recreational value.
7. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.
8. CAPE HENRIETTA MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
9. ECHO TOWNSHIP -- 492 acres in Echo Township, District Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout Forest District. It is set aside for silvicultural research, seed production and educational purposes.
10. THE JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
11. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste

La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

12. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

13. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.

14. WHITE OTTER LAKE -- 41 acres in Sioux Lookout District Here is a log castle, perhaps unique, built by Scottish trapper for a bride who never appeared.

15. RONDEAU PROVINCIAL PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.

16. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.

17. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.

18. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.

20. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.

21. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.

22. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.

23. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, *Pellaea glabella*, and Dickie's Fragile Fern, *Cystopteris dickieana*.

24. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

25. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

27. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.

28. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

O. Reg. 268/61 - Filed July 28/61

29. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.

30. THE PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An Area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

31. THE PINERY PROVINCIAL PARK FLOOD-PLAIN -- 25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

32. THE PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.

33. THE PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.

34. PRESQU'ILE ISLANDS -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.

35. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

O. Reg. 35/62 - Filed Feb. 12/62

36. **TIMBER ISLAND** -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961.

O. Reg. 251/63 - Filed Sept. 17/63

*37. **PUKASKWA** -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

*Re-enacted by O. Reg. 89/64 - Filed Apr. 27/64

O. Reg. 229/64 - Filed Sept. 2/64

38. **SHOAL LAKE** -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

O. Reg. 259/64 - Filed Oct. 5/64

39. **BLAIR TOWNSHIP NATURE RESERVE** -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch is the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

O. Reg. 30/66 - Filed Jan. 28/66

40. **DERBY LAKE** -- 450 acres in Godson Township, District of Kenora to preserve an over-mature stand of white pine.

O. Reg. 204/71 - Filed May 10, 1971

41. **MICHIPICOTEN** -- 552 acres in Twp. 30, Range XXII, District of Algoma. Established to preserve an ancient Hudson's Bay Company post site.

SPORT FISHERIES BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W.J.K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 240. At peak periods, they are assisted by more than 200 other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C.H.D. Clarke, appointed Chief on April 1st, 1961, directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

A Departmental reorganization on April 1, 1971 divided the former branch in two.

J.D. Roseborough was appointed Director of Sport Fisheries Branch on April 1, 1971.

SPORT FISHERIES BRANCH

Director: J. D. ROSEBOROUGH

PLANNING SECTION

Supervisor: G. C. Armstrong

Supply
Demand
Hatcheries

COORDINATIVE EXPERTISE SECTION

Supervisor: D. P. Dodge

Water Quality
Harvest Assessment
Hatchery Expertise
Lake and Stream Inventory
Technological Studies

MANAGEMENT INFORMATION SECTION

Supervisor: F. P. Maher

E. D. P. System
Systems Coordination and Data Bank
Development Work

ADMINISTRATIVE SECTION

Supervisor: J. C. Weir

Information
Office Management
Regulations
Drafting and Art Work

TOTAL LICENCES SOLD

Year	ANGLING		HUNTING		
	Resident	Non-Res.	Resident	Non-Res.	Total
1944	.....	89,291	132,376	5,168	137,544
1945	.....	126,367	186,680	9,451	196,131
1946	.....	171,400	219,916	14,556	234,472
1947	.....	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712
1965	12,982	533,154	616,306	29,547	645,853
1966	13,249	571,453	621,942	37,764	659,706
1967	13,566	578,811	632,197	39,287	671,484
1968	83,247	615,611	540,383	44,270	584,653
1969	603,670*	630,375	509,077	44,023	553,100
1970	562,604	605,320	507,732	37,622	545,354

*Resident Angling Licence introduced January 1, 1969.

FISH DISTRIBUTED FROM ONTARIO HATCHERIES IN 1970

Key: EE - Eyed Eggs Fy - Fry		Fg - Fingerlings Yg - Yearlings		II - Two Year Olds Ax - Adults		OTHER SPECIES	
HATCHERY	BROOK TROUT	LAKE TROUT	RAINBOW TROUT	LARGEMOUTH BASS	SMALLMOUTH BASS		
CHATHSWORTH	...	...	...	...	...	Splake	Coho
	122,352 Yg	17,240 Yg	...	...	...	247,786 Yg	147,230 Yg
CODRINGTON	...	...	...	...	...	Maskinonge	...
DEER LAKE	...	...	...	...	...	2,700,000 Fy	...
	...	...	...	...	...	27,350 Fg	...
	126,000 Yg	20,240 Yg	...	...	...	...	...
DORION	311,440 EE	...	...	...	...	...	...
	421,400 Fg	29,700 Fg	10,000 Fg	...	...	...	...
	52,610 Yg	237,300 Yg	57,450 Yg	...	...	...	30,770 Yg
	3,830 II	...	...	...	...	...	...
	3,960 Ax	...	...	...	...	Aurora Trout	...
HILL LAKE	...	...	5,000 Fy	...	...	6,000 Fy	...
	40,000 Fg	25,000 Fg	28,470 Fg	...	...	...	...
	214,730 Yg	124,000 Yg	...	...	...	...	...
	33,560 II	...	...	...	...	...	...
	1,620 Ax	1,572 Ax	...	...	...	...	...
MIDHURST	25,420 Yg	...	...	...	...	...	...
NORMANDALE	...	...	78,934 Yg	...	...	...	...
	...	...	22,143 II	...	...	...	...

NORTH BAY	114,350 Yg	...	97,700 Yg	...	...	...	...
PENBROKE	334,500 Fg	...	...	...	...	...	...
	222,129 Yg	...	...	...	...	...	...

SANDFIELD	...	...	...	...	71,000 Fy	...	...

	150,065 Yg	...	...	...	...	...	...

SKELETON LAKE	...	...	...	...	28,500 Fg	...	...
	183,950 Yg	65,250 Yg	5,000 Yg	...	...	...	...

TARENTORUS	122,875 Fg	...	...	...	...	Splake	...
	78,605 Yg	497,238 Yg	37,700 Yg	...	...	8,800 Yg	...
	...	16 Ax	...	...	...	40 Ax	...
	...	...	...	22,400 Fy	...	...	...
WESTPORT	...	...	...	...	...	...	...
	65,885 Yg	89,300 Yg	...	...	...	...	Yellow Pickerel

WHITE LAKE	...	...	...	...	...	...	12,700,000 EE
	...	...	...	...	28,000 Fy	...	31,262 Fy
	84,700 Yg	188,000 Yg	...	...	...	...	...

WIARTON	...	68,404 Fg	2,177 Fg	...	...	...	...

In addition 5,410,436 Fy and Fg kokanee from Wiarton, Sandfield and Glenora Research Station and 2,448 F4 splake from Maple Research Station.

DISTRIBUTION OF HATCHERY FISH ----Number of Fish Planted in 000's

SPECIES	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
BASS, Largemouth											
Fry.....	231	...	55	45	112	81	42	68	60	9	...
Fingerling.....	30	25	112	93	91	108	147	75	50	56	22
Yearling and Adult..	...	...	...	...	...	...	...	...	2	...	...
BASS, Smallmouth											
Fry.....	156	230	147	134	52	58	36	98	38	86	99
Fingerling.....	178	270	177	288	239	231	216	212	91	114	29
Yearling and Adult..	1	1	...	...	...	...	...	...	...	...	...
HERRING											
Eyed Egg.....	...	...	...	...	...	...	1,150	7,030	...	...	...
Fry.....	50	...	...	...	...	...	...	2,000	...	...	...
KOKANEE											
Eyed Egg.....	...	...	...	...	...	683	923	310	...	...	...
Fry.....	...	...	...	...	...	1,609	943	385	413	572	...
Fingerling.....	...	...	...	...	...	288	...	211	59	63	...
MASKINONGE											
Fry.....	3,390	2,833	2,970	1,870	1,530	1,850	1,303	2,650	2,400	2,958	2,700
Fingerling.....	51	75	24	27	26	25	...	12	27	33	27
Adult.....	...	...	...	...	...	...	...	...	...	...	...
PICKEREL, Yellow											
Eyed Egg.....	53,790	27,065	20,500	7,200	14,000	15,600	10,000	13,055	6,240	10,750	12,700
Fry.....	3,600	...	8,994	11,440	1,353	...	8,232	28,000	189	1,300	31
Fingerling.....	...	67	201	217	...	56	...	42	5	14	...
Adult.....	...	...	...	...	...	...	...	...	...	...	...
SPLAKE											
Egg.....	...	...	...	...	...	...	...	20	...	...	...
Fingerling.....	...	...	...	...	...	...	...	1	2	...	...
Yearling.....	13	97	112	114	88	21	69	119	36	64	257
2 Year.....	...	6	...	2	12	16	...	10	...	...	...
Adult.....	...	...	...	...	...	...	...	...	1	...	1

SALMON, Coho	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yearling.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	178
TROUT, Lake															
Eyed Egg.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fry.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fingerling.....	389	370	240	186	...	...	...	...	...	...	...	...	...	...	...
Yearling.....	653	715	989	950	982	1,292	1,336	...	...	...	...	...	...	...	...
2 Years and Up.....	...	8	1	6	1	9	...	...	...	...	...	...	...	...	...
TROUT, Rainbow															
Egg.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fry.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eyed Eggs.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fry.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fingerling.....	...	102	60	3	141	12	31	88	...	...	...	...	...	...	...
Yearling.....	...	229	291	173	319	269	126	148	...	...	...	...	...	...	...
2 Years and Up.....	...	...	9	11	15	63	10	43	...	...	...	...	...	...	...
TROUT, Brook															
Eyed Egg.....	49	30	494	375	400	674	...	...	...	...	...	...	...	...	...
Fry.....	15	...	...	...	8	...	...	...	...	...	...	...	...	...	...
Fingerling.....	864	764	651	392	506	600	480	1,125	...	...	...	...	...	...	...
Yearling.....	1,616	2,052	1,655	1,883	1,726	1,819	1,599	1,654	...	...	...	...	...	...	...
2 Years and Up.....	76	73	75	73	112	69	29	93	...	...	...	...	...	...	...
MISCELLANEOUS															
Egg.....	...	...	53	...	...	...	...	...	...	...	...	...	...	...	...
Eyed Egg.....	12,000	13,878	...	...	...	...	...	...	...	...	...	...	...	...	...
Fry.....	62,993	53,685	46,575	46,351	27,105	24,030	19,845	240	...	...	...	...	...	...	...
Fingerling.....	32	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Yearling.....	164	6	...	5	5	4	...	13	...	...	...	...	...	...	...
Adult.....	1	...	...	...	...	...	...	4	...	...	...	...	...	...	...
TOTAL.....	140,342	102,622	84,401	72,042	48,042	49,294	47,024	63,110	13,886	22,004	20,345	...	...	...	...

WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

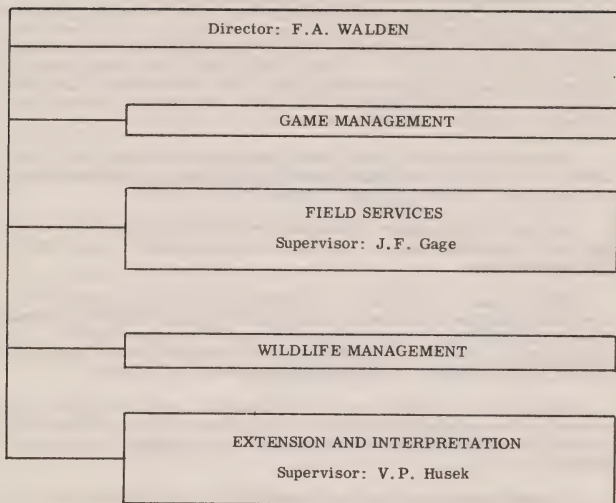
Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 240. At peak periods, they are assisted by more than 200 other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

A Departmental reorganization on April 1, 1971 divided the former branch in two.

F. A. Walden was appointed Director of Wildlife Branch on April 1, 1971.

WILDLIFE BRANCH



BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

Year	12 mts. and over \$ 10 each	Under 12 mts. \$ 5 each	Total Amount Paid					Total Amount Paid
------	-----------------------------------	-------------------------------	-------------------------	--	--	--	--	-------------------------

1947	959	73	\$9,735	Timber	Brush	Pups	Total	\$59,275
1948	509	17	5,095	1,440	1,182	42	2,664	54,923
1949	592	67	6,035	1,515	961	74	2,540	57,977
1950	803	122	8,530	1,581	1,062	84	2,727	56,927
				1,613	890	41	2,544	
1951	453	47	4,645	1,405	651	44	2,100	46,457
1952	408	29	4,180	1,198	634	63	1,895	41,803
1953	662	57	6,805	1,313	739	68	2,120	46,550
1954	947	145	10,000	1,101	720	70	1,891	41,853
1955	1,126	99	11,590	1,075	620	41	1,736	38,703
1956	614	50	6,210	1,088	559	28	1,675	37,550
1957	611	50	6,225	1,195	486	71	1,752	38,950
1958	1,568	300	16,930	1,047	574	34	1,655	37,255
1959	1,084	116	11,145	1,169	606	49	1,824	41,589
1960	697	139	7,590	939	528	42	1,509	33,619
1961	401	46	4,150	1,320	761	57	2,138	48,766
1962	*328	*33	*3,405	1,136	794	68	1,998	44,510
1963	(Payment ended on July 27, 1961)			1,276	691	64	2,031	44,664
1964	....	....	.....	1,342	862	61	2,265	44,999
1965	....	....	.....	1,638	1,052	63	2,753	59,997
1966	....	....	.....	1,593	1,195	44	2,832	59,937
1967	....	....	.....	1,578	1,277	45	2,900	59,084
1968	....	....	.....	1,644	1,342	81	3,067	61,996
1969	....	....	.....	1,370	1,542	51	2,963	62,025
1970	....	....	.....	1,255	2,047	43	3,345	69,996
1971	....	....	.....	1,469	2,061	49	3,579	67,984

WOLF BOUNTY

GAME BIRD HUNTING PRESERVES in year ending March 31, 1971

PHEASANTS

Districts	No. of Pre- serves	No. of Hunters	Birds Purchased	Birds Released	Birds Harvested	Stock on Hand
Lake Erie.....	14	2,234	16,148	14,309	11,060	2,185
Lake Simcoe.....	5	4,433	12,651	12,852	8,463	962
Lake Huron.....	5	443	2,038	2,472	1,941	310
Lindsay.....	5	720	4,238	3,493	2,602	449
Tweed.....	3	82	165	505	255	450
Kemptville.....	1	34	...	285	265	200
Sault Ste. Marie.....	1	443	2,038	2,472	1,941	310
Totals.....	34	8,389	37,278	36,388	26,527	4,866

BOBWHITE QUAIL

Lake Erie.....	14	148	460	250	129	...
Lake Simcoe.....	5	4,433	850	502	309	...
Tweed.....	..	...	...	...	...	...
Kemptville.....	1	...	...	...	...	25
Lindsay.....	2	58	2,728	728	320	1,000
Totals.....	22	4,639	4,038	1,480	758	1,025

COMMERCIAL GAME BIRD PROPAGATORS in year ending March 31st, 1971

PHEASANTS

Districts	No. of Farms	Purchases			Dressed Birds	Sales			Stock on Hand
		Eggs	Chicks Poults	Adults		Eggs	Chicks Poults	Live Adults	
Lake Erie.....	30	306	30,488	...	2,697	6,777	44,685	5,982	3,044
Lake Huron.....	33	629	5,678	309	...	363	2,015	2,074	1,208
Lake Simcoe.....	32	3,947	7,878	2,779	10,266	1,670	9,067	4,486	2,922
Lindsay.....	13	...	3,490	742	1,299	...	4,543	2,827	553
Tweed.....	2	...	...	...	2,500	60	...	...	253
Kemptville.....	8	...	200	81	1,062	...	360	174	140
Parry Sound.....	3	...	...	...	...	...	...	...	...
Sault Ste. Marie.....	1	...	500	...	...	...	...	358	15
Totals.....	122	4,882	48,234	3,911	17,824	8,870	60,670	15,901	8,135

BOBWHITE QUAIL

Lake Huron.....	..	...	25	...	36	...	10	120
Lake Erie.....	..	800	...	...	...	...	314	30
Lake Simcoe.....	..	...	1,011	...	...	30	460	282
Kemptville.....	1	...	...	...	...	...	65	35
Lindsay.....	1	...	...	...	...	...	10,082	1,000
<hr/>								
Totals.....	2	800	625	1,036	36	30	10,931	1,467

HUNTING LICENCES SOLD

Year	DEER		MOOSE		BEAR+		SMALL GAME	
	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.
1946	62,913	7,877	70,790	1,694	1,230	2,924	155,309	4,666
1947	67,299	11,193	78,492	2,270	1,516	3,786	171,098	3,620
1948	73,700	11,300	85,000	3,000	1,700	4,700	186,060	3,200
1949	76,274	12,050	88,324	*	*	*	205,706	3,300
1950	84,380	12,440	96,820	*	*	*	213,594	5,620
1951	89,290	10,400	99,690	1,400	*	1,400	240,040	4,960
1952	96,790	** 870	97,660	3,620	*	3,620	268,444	5,400
1953	92,785	8,300	101,085	5,196	637	5,833	256,341	3,810
1954	92,800	10,400	103,200	7,500	730	8,230	284,000	5,300
1955	105,150	8,050	113,200	9,000	990	9,990	318,000	6,010
1956	98,079	7,426	105,505	13,441	1,521	14,962	316,778	5,905
1957	106,620	6,743	113,363	17,367	1,890	19,257	341,838	6,092
1958	109,322	6,044	115,366	22,688	2,362	25,050	377,589	5,503
1959	102,960	5,988	109,948	26,349	3,431	29,780	378,666	6,243
1960	114,400	6,004	120,404	31,948	4,212	36,160	383,205	7,286
1961	106,160	5,788	111,948	38,977	5,775	44,752	377,047	7,103
1962	121,735	5,913	127,648	39,470	6,675	46,145	383,150	7,538
1963	114,510	6,351	120,861	43,144	7,261	50,405	416,019	7,685
1964	124,182	6,562	130,744	40,188	7,639	47,827	399,521	7,998
1965	130,636	7,242	137,878	60,281	10,057	70,338	424,806	9,551
1966	137,429	8,858	146,287	48,498	12,698	61,196	435,202	12,248
1967	139,253	9,001	148,254	51,602	12,875	64,477	440,378	12,487
1968	102,579	7,672	110,251	51,795	14,923	66,718	384,867	13,281
1969	97,659	6,572	104,231	49,867	15,103	64,970	360,192	12,900
1970	88,020	5,500	93,520	56,198	10,037	66,235	361,997	7,500

*Closed Season.

**U. S. A. ban on importation of cloven-hoofed animals.

+Includes a few non-resident wolf licences.
++Includes spring and fall hunting.

PROSECUTIONS in years ending March 31st

Year	Seiz- ures	Public Sales	*Total Sales	Convic- tions	Collected Costs	Fines
1947	1,844	\$.....	\$37,202	2,040	\$1,216	\$44,267
1948	.....	4,700	.....	2,880	.....	.....
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872	.....	23,633	2,880	1,387	50,460
1954	2,975	.....	25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236	.....	48,442
1966	2,581	9,604	23,392	2,347	1,042	53,127
1967	2,942	11,235	26,264	2,626	.....	60,658
1968	3,404	13,261	30,599	3,239	1,274	81,420
1969	3,557	19,574	35,879	3,489	**	**
1970	5,127	21,097	39,089	4,648	**	**

*Includes Redemptions.

**Reported directly to the Department of Justice from 1969.

RESEARCH BRANCH

The Research Branch was authorized under the Forestry Act of 1927. It was created by the appointment of a Chief in 1944, and the Southern Research Station was established in the same year.

The purpose of Research Branch is to provide a scientific basis for the planning and operation of the Department of Lands and Forests.

To achieve this objective, the functions of the biological components of our environment must be understood. We must increase our knowledge in the area of contact between the traditional disciplines.

The Research Branch Programme is designed to provide a mix of environmental and problem research which can, not only provide answers to immediate problems but anticipate and predict problem areas.

The Branch is organized along disciplinary lines with specialists in Fisheries, Forestry and Wildlife reporting for their sections to the Branch Chief. The three sections are divided into units based upon more intensive specialization within the discipline.

Administrative functions and all service units report to the Branch Chief through the Branch Administrator.

Branch activities are reported annually in "Research Review", a comprehensive report issued each spring. Individual reports are issued separately as "Research Reports" or journal articles in scientific publications.

R. N. Johnston was appointed Chief on January 1, 1944.

A. P. Leslie was appointed Chief on September 15, 1964, when Mr. Johnston retired. Mr. Leslie retired on November 30, 1967.

D. R. Wilson was appointed Acting Chief for the period from December 1, 1967 to August 31, 1968.

Dr. W. R. Henson was appointed Chief on September 1, 1968.

RESEARCH BRANCH

Director: W. R. HENSON

ADMINISTRATION

E. K. E. Dreyer

Accounts, Biomathematics and Computer Services, Draughting, Electronics, Equipment, Library, Mechanical Development, Photography, Personnel, Public Relations, Reports.

FISHERIES SECTION

Supervisor: K. H. Loftus

Game Fish Units: Brook Trout, Lake Trout, Walleye, Smallmouth Bass.

Great Lakes Units: Lake Erie, Lake Huron, Lake Ontario, Lake Superior.

Discipline Units: Limnology, Parasitology, Productivity, Selective Breeding, Technical Studies.

FORESTRY SECTION

Supervisor: D. H. Burton

Developmental, Ecology, Forest Economics, Forest Protection, Frost Drought Studies, Mensuration, Nursery and Plantation, Silviculture, Site, Tree Breeding, Tree Nutrition, Tree Seed.
Regional Planning Research

WILDLIFE SECTION

Supervisor: R. O. Standfield

Big Game, Diseases and Parasites, Furbearers, Predators, Upland Game and Waterfowl.

FISHERIES SECTION

This section is organized into two groups: the Great Lakes Fisheries Stations and other Units. The Great Lakes Units are located at Glenora (Lake Ontario), Wheatley (Lake Erie), Sault Ste. Marie and South Baymouth (Lake Superior and Lake Huron). They are a part of the District organization for administrative purposes, but the unit leaders report to the Fisheries Research Supervisor for planning and programming.

The other units reflect their function, being based upon disciplines and game fish species, and with the exception of the walleye and productivity units located at Thunder Bay, are based at Maple. They consist of Brook Trout Unit, Lake Trout Unit, Smallmouth Bass Unit, Limnology Unit, Parasitology Unit, Selective Breeding Unit and Technical Studies Unit.

The Harkness Memorial Laboratory at Lake Opeongo in Algonquin Park serves as a summer base for any of the above units.

FORESTRY SECTION

Forestry research is similarly divided into Field and Head-quarter groups.

The field units carry out silvicultural research and are located at Thunder Bay, Sault Ste. Marie and Dorset.

The following units are based at Maple: Developmental, Ecology, Forest Economics, Forest Protection, Frost Drought Studies, Mensuration, Silviculture, Site, Tree Breeding, Tree Seed, Tree Nutrition, Regional Planning Research. Nursery and Plantation research is conducted at Midhurst.

WILDLIFE SECTION

This section, in addition to conducting a research programme, provides a diagnostic service on animal parasites and diseases for the field staff.

The units, all based at Maple, are as follows: Big Game, Furbearers, Ungulates, Upland Game and Waterfowl, Diseases and Parasites.

The Diseases and Parasites Unit is currently co-operating in the development of rabies vaccine for wildlife with the Connaught Laboratories of the University of Toronto.

A field station is maintained in Algonquin Park for use of Research Branch staff and associated research workers.

ADMINISTRATION

This section provides technical and professional support, consisting of biomathematics and computer consultation, draughting, electronics, mechanical development, library and photography.

Administrative services also provide for accounting, equipment control, personnel functions, public relations, reports and station operation and maintenance.

NEW POLICIES

RESOURCE PRODUCTS DIVISION

Resource Products Division is concerned with the contributions to the economy of Ontario which are made by industries using renewable natural resources.

Commercial Fish and Fur Branch, Resource Economics Branch, Timber Management Branch and Timber Sales Branch make up this division.

A.J. Herridge was appointed Executive Director on April 1, 1971.

RESOURCE PRODUCTS DIVISION

Executive Director: A. J. HERRIDGE

COMMERCIAL FISH AND FUR BRANCH

Director: M. J. Brubacher

RESOURCE ECONOMICS BRANCH

Director: D. P. Drysdale

TIMBER MANAGEMENT BRANCH

Director: R. M. Dixon

TIMBER SALES BRANCH

Director: J. Barron

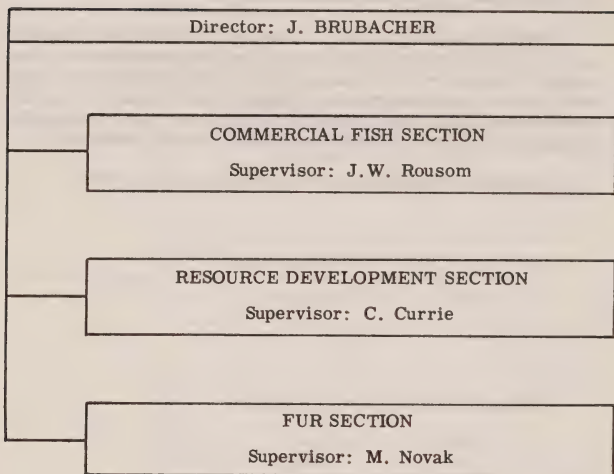
COMMERCIAL FISH AND FUR BRANCH

The scope of responsibility of this branch includes commercial fish, fur management and resource development.

Licensing, seasons, quotas, surveying fish stocks and compiling statistics on the harvest are some of the responsibilities of Commercial Fish Section. Fur management provides for an annual optimum harvest while ensuring the propagation of furbearer species. Resource development deals with the establishment and co-ordination of programs for Indian-use of renewable, natural resources.

J. Brubacher was appointed Director on April 1, 1971.

COMMERCIAL FISH AND FUR BRANCH



*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Year	No. of Trappers	Beaver	Fisher	Fox	** Lynx	Marten	Mink	Muskrat	Otter	Raccoon	Skunk	Squirrel	Weasel
1952	11,641	99,391	2,081	5,069	251	1,529	27,704	567,565	5,259	10,905	5,747	5,598	13,129
1953	12,332	109,260	2,414	5,838	1,216	2,210	28,904	671,642	6,410	9,874	5,749	16,077	23,737
1954	11,914	91,484	2,335	5,289	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816
1955	12,310	115,439	2,915	2,977	1,547	3,587	29,520	640,865	6,224	99,641	1,879	16,133	28,813
1956	11,001	98,084	3,046	2,782	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190
1957	9,529	106,738	2,127	1,313	564	4,467	36,284	443,153	5,727	10,551	1,105	19,440	17,981
1958	8,604	140,371	3,173	2,159	1,103	6,061	49,484	446,578	8,519	9,596	2,019	14,778	16,410
1959	7,826	120,566	2,365	2,160	2,242	4,559	44,926	337,936	6,698	4,200	572	11,300	11,626
1960	8,657	110,615	3,125	1,273	4,038	6,361	47,445	320,287	6,040	10,580	389	9,255	12,472
1961	9,100	132,375	3,348	1,753	4,502	9,325	61,520	304,731	7,422	7,433	216	12,496	12,631
1962	8,588	137,609	2,728	3,090	4,578	10,260	47,215	377,888	7,456	9,543	264	10,009	11,143
1963	9,448	167,408	2,830	1,647	4,743	7,748	43,048	345,428	8,326	9,189	112	12,850	10,213
1964	9,437	181,778	3,659	2,625	4,913	12,822	44,161	366,862	8,890	11,025	...	14,880	10,213
1965	8,937	161,229	2,581	2,343	1,690	10,664	32,825	251,795	8,457	8,280	...	17,750	11,841
1966	9,035	147,627	3,116	4,088	1,503	19,131	25,705	390,685	8,171	20,389	72	9,297	10,446
1967	8,988	143,776	3,016	4,581	1,167	26,591	23,964	359,142	6,928	11,797	...	7,490	7,721
1968	7,497	160,278	2,189	3,672	912	13,977	21,272	369,848	7,204	14,970	...	17,758	5,791
1969	8,094	164,888	3,536	6,258	1,406	30,699	28,464	539,034	7,638	19,695	...	15,948	11,357
1970	9,503	155,127	3,172	5,141	1,915	24,358	27,008	348,502	6,994	15,199	...	6,796	4,678
1971	8,463	127,913	2,559	4,609	1,903	20,687	18,152	286,207	6,589	13,000	95	6,957	3,799
1971 Price (\$)		13.44	36.87	13.10	24.69	7.58	5.20	1.63	31.25	4.12	.50	.12	.26
1971 Total Value:		\$2,909,448.04											

*Management began in 1947. Wolf and bear returns not reported above.

**Lynx includes Bob Cat.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS				VALUE OF PELTS					
Year	Wild Beaver	Ranch Mink	Total Wild	Total Ranch	Total	Wild Beaver	Total Wild	Total Ranch	Total
947	45,908	73,770	876,204	101,430	977,634	\$1,273,947	\$4,966,209	\$2,262,888	\$7,229,098
948	20,102	125,829	1,001,249	155,468	1,156,717	671,407	4,040,847	2,346,039	6,386,885
949	74,414	143,358	1,046,628	164,917	1,211,545	1,592,460	5,187,075	1,647,044	6,834,120
950	65,728	143,513	931,890	158,912	1,090,802	1,311,274	4,248,297	2,165,233	6,413,530
951	82,048	142,570	811,579	152,208	963,787	1,938,794	4,582,901	3,101,559	7,684,460
952	105,769	144,436	959,431	152,284	1,111,715	1,496,631	3,656,919	2,355,226	6,012,145
953	122,590	152,760	1,098,286	156,903	1,255,189	1,612,059	3,868,812	2,171,784	6,040,596
954	105,361	131,192	1,016,672	132,759	1,149,431	1,016,734	2,682,762	1,905,518	4,558,280
955	135,290	158,662	1,107,530	159,765	1,267,295	1,995,528	4,284,902	2,942,968	7,227,870
956	113,200	171,723	786,608	172,985	959,593	1,386,700	2,989,521	4,129,555	7,119,077
957	113,036	247,998	788,666	248,317	1,036,983	1,254,700	2,575,809	2,978,209	5,554,018
958	141,263	237,172	791,165	237,930	1,029,095	1,483,262	2,713,427	3,943,119	6,656,546
959	120,121	262,788	680,189	262,913	943,102	1,249,259	2,445,203	3,969,224	6,414,426
960	111,235	286,845	641,093	287,265	928,358	1,479,426	2,831,174	4,450,571	7,281,744
961	131,620	348,193	680,878	348,602	1,029,480	1,408,334	2,469,875	4,441,088	6,910,963
962	137,634	385,650	627,283	385,962	1,013,245	1,362,577	2,451,075	5,593,485	8,044,560
963	166,726	385,982	692,487	386,133	1,078,620	1,959,031	3,439,311	6,176,920	9,616,231
964	183,973	437,303	742,923	437,443	1,180,366	2,327,258	3,942,029	7,019,973	10,962,002
965	159,524	393,231	597,866	393,231	991,097	1,659,050	2,877,897	5,898,465	8,776,362
966	149,408	482,932	724,464	483,142	1,207,606	2,285,942	3,985,556	8,219,084	12,204,640
967	140,083	542,647	611,536	542,822	1,154,358	1,603,950	2,596,393	5,430,845	8,027,238
968	164,319	593,633	705,943	593,673	1,299,616	2,366,194	3,348,373	5,729,358	9,077,731
969	138,836	553,181	686,296	553,275	1,239,571	2,457,397	4,161,541	7,886,989	12,048,530
970	169,397	546,465	810,713	546,844	1,357,557	2,193,691	3,631,983	5,552,305	9,184,288
971	140,746	501,232	761,279	501,668	1,262,947	1,590,430	3,029,939	4,844,737	7,874,676

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

ROYALTY ON WILD PELTS

NUMBER OF PELTS

Year	Beaver Export	Beaver Tanners	Wild Export	Wild Tanners	Total Export	Total Tanners	Beaver	Wild Export	Wild Tanners	Total
1947	45,847	61	667,657	208,546	762,998	214,636	\$ 91,816	\$188,561	\$23,229	\$211,790
1948	20,083	19	714,941	286,308	862,700	294,017	148,828	238,974	27,156	266,130
1949	74,253	161	784,276	262,352	940,378	271,167	131,456	219,949	18,075	238,024
1950	65,600	128	758,371	173,519	909,079	181,723				
1951	81,845	203	665,366	146,213	814,447	149,340	164,096	241,937	15,493	257,430
1952	105,503	266	773,562	185,869	922,868	188,847	211,538	300,321	19,556	319,877
1953	122,287	303	848,398	249,888	998,713	256,476	185,586	300,799	26,314	327,113
1954	105,071	290	780,147	236,525	908,990	240,441	158,071	268,823	25,430	294,253
1955	134,729	561	788,052	319,478	941,348	325,947	136,563	242,490	34,794	277,284
1956	111,663	537	604,077	182,531	769,027	190,566	113,200	196,956	20,767	217,723
1957	111,278	1,758	559,150	229,516	788,370	248,613	113,036	194,340	27,596	221,936
1958	140,930	333	657,062	134,103	879,779	149,779	141,263	224,921	9,407	234,328
1959	119,684	437	586,768	93,421	830,538	112,564	120,121	195,586	8,353	203,939
1960	109,757	1,478	588,120	82,973	821,984	106,374	111,235	188,562	6,950	195,512
1961	130,167	1,453	608,949	71,929	918,212	111,268	131,620	224,237	9,017	233,254
1962	135,949	1,685	569,249	58,034	897,511	115,734	137,634	217,870	5,999	223,869
1963	164,293	2,433	623,347	69,140	959,404	119,216	166,726	242,652	6,981	249,633
1964	135,791	48,182	530,863	212,060	903,688	276,678	183,973	198,473	72,874	271,347
1965	116,901	42,623	405,967	191,899	728,415	262,682	159,524	166,325	64,339	230,664
1966	99,719	49,689	430,514	293,950	835,687	371,919	149,408	146,612	77,732	224,344
1967	92,676	44	364,475	247,061	827,995	326,363	140,083	135,015	73,449	208,464
1968	105,703	58,616	397,170	308,773	866,491	433,125	164,319	144,588	83,882	228,470
1969	88,888	49,948	476,893	209,403	938,616	300,955	138,836	136,675	78,428	215,103
1970	80,978	88,419	334,698	476,015	800,691	556,866	169,397	119,200	132,395	251,595
1971	64,175	76,571	231,209	530,070	645,600	617,347	140,746	91,917	117,483	209,400

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Fox												
Blue.....	83	94	97	57	48	46	96	84	95	71	37	41
Cross.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....
Pearl Platinum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Platinum.....	232	280	367	355	270	256	241	263	261	255	236	281
*Other Fox.....	13	14	9	.....	.....	7	6	2	5	10	6	16
* Silver.....	178	292	212	130	123	106	110	140	177	162	211	199
White Marked.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Fox.....	506	680	685	543	442	415	453	489	538	498	490	537
Mink.....	130,294	142,600	154,626	164,901	178,814	188,005	204,073	219,124	234,369	208,264	209,538	203,518
Beaver.....	1	1	1	.....	2	.....	.....	.....	.....	.....	.....	6
Fisher.....	2	2	1	1	4	4	4	3	.....	.....	.....	.....
Lynx.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marten.....	89	96	97	78	33	33	15	23	8	9	8	9
Muskrat.....	.....	.....	.....	.....	10	52	.....	.....	.....	.....	.....	.....
Raccoon.....	24	22	20	13	8	2	1	.....	.....	.....	4	5
Skunk.....	3	3	3	4	2	1	1	.....	.....	.....	.....	.....
NO. OF FARMS.....	495	495	508	500	505	499	494	491	477	417	385	352

*Includes Standard and White Marked. **Includes Cross, Red and White

COMMERCIAL FISHING EQUIPMENT

COMMERCIAL FISHING EQUIPMENT														
No. of Licences			No. of Boats		Number of Nets				No. of					
Year	Gill Nets	Total	No. of Men	40ft. & Over	Under 40 ft.	Gill Nets 000's yds	Pound	Trap*	Hoop	Seine Nets 00's yds	Freez-ers & Ice Houses	No. of Wharves and Piers	No. of Sheds	Total Value \$000's
1947	.....	2,421	4,026	112	2,009	8,858	1,135	...	1,240	178	486	400	...	5,147
1948	.....	.....	3,736	111	1,930	8,981	1,152	...	1,324	167	477	412	...	5,716
1949	1,071	2,675	3,930	123	2,039	9,144	1,182	...	1,411	186	456	395	...	5,988
1950	1,021	2,722	3,886	116	1,966	9,064	1,214	...	1,439	177	477	425	...	6,679
1951	1,063	2,894	3,833	126	1,981	8,944	1,204	...	1,483	159	476	416	...	6,985
1952	1,124	3,115	3,878	196	1,682	9,057	1,127	359	1,564	171	462	474	727	8,328
1953	1,098	3,098	3,807	215	1,538	9,312	1,078	549	1,570	156	493	487	827	8,839
1954	1,045	3,200	3,657	214	1,407	9,248	878	709	1,578	183	482	456	778	9,176
1955	1,066	3,379	3,483	224	1,338	9,304	787	822	1,545	158	442	447	759	9,226
1956	1,032	3,470	3,135	202	1,320	8,719	784	763	1,487	140	426	437	754	8,891
1957	1,038	3,684	3,066	211	1,321	8,618	671	804	1,462	164	412	404	709	8,676
1958	1,100	4,029	3,224	212	1,270	8,898	713	731	1,441	149	464	425	727	9,215
1959	1,117	4,170	3,527	234	1,680	9,718	723	739	1,812	190	564	491	884	10,557
1960	1,089	4,176	3,409	238	1,740	9,523	744	661	1,861	196	558	516	839	10,124
1961	1,063	4,563	3,059	223	1,541	9,293	672	631	1,778	170	521	476	773	10,377
1962	1,060	4,554	2,993	218	1,533	9,344	796	597	1,767	170	525	497	726	9,996
1963	1,075	4,679	3,271	224	1,718	9,200	745	694	1,943	158	511	439	747	10,264
1964	1,088	4,786	2,952	229	1,587	9,110	873	512	1,889	157	549	493	731	10,131
1965	1,072	4,647	2,544	223	1,660	9,256	866	521	2,002	168	492	459	681	9,972
1966	1,064	5,316	2,445	229	1,419	9,489	764	493	1,820	191	465	431	663	10,327
1967	1,033	5,407	2,197	220	1,406	9,810	715	565	2,146	169	434	429	650	10,558
1968	1,017	5,472	2,044	217	1,313	8,888	734	552	1,915	226	430	403	651	10,824
1969	1,005	5,627	1,959	207	1,190	8,419	790	479	1,740	172	402	382	628	10,774
1970	1,028	5,680	1,836	222	1,078	8,823	727	469	1,484	110	418	384	610	11,178

*Tran Nets included with Pound Nets, 1946-1951.

*Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in 000's lbs and \$000's

SPECIES	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	Value 1970
Bass, Rock; Crappies....	119	137	177	206	209	271	249	276	186	193	\$ 51
Bass, White.....	3,413	2,491	1,991	1,836	2,733	1,805	855	819	925	210	46
Bullheads.....	363	423	740	513	451	348	342	395	473	378	74
Carp.....	1,312	1,124	1,323	938	872	937	928	987	1,046	702	86
Catfish.....	244	314	300	287	243	273	250	255	220	104	29
Caviar.....	2	2	1	2	2	1	1	...	...	...	...
Chub; Tullibee.....	2,993	2,825	2,329	2,035	1,892	1,265	1,165	681	461	282	36
Eels.....	127	128	175	250	194	150	141	181	175	151	37
Gold Eye.....	24	34	20	28	19	7	11	2	...	1	1
Herring; Cisco.....	1,853	2,630	2,374	1,993	1,603	1,184	1,935	2,985	2,780	3,060	246
Ling; Burbot.....	638	623	615	600	404	343	487	382	416	396	4
Menominee, Pilots.....	22	31	20	70	66	58	41	56	57	37	4
Perch.....	18,628	21,659	18,725	9,635	19,465	21,151	22,731	24,969	30,506	21,772	3,483
Pickeral, Blue.....	2	...	...	...	...	...	...	...	...	...	...
Yellow Pickerel.....	3,382	3,708	5,108	3,678	3,241	3,987	3,238	2,765	2,050	1,406	633
Pike, Northern.....	990	976	990	1,134	1,099	1,005	952	956	871	752	87
Saugers.....	105	131	136	141	76	59	82	70	51	57	18
Sheepshead.....	1,201	1,117	1,503	831	990	1,058	666	802	451	310	9
Smelt.....	13,065	19,314	10,705	12,887	11,917	16,056	12,660	12,490	15,226	9,572	437
Sturgeon.....	195	133	132	98	94	86	76	79	90	47	65
Suckers.....	1,595	1,540	1,650	1,450	1,102	1,306	1,297	1,278	1,274	1,079	21
Sunfish.....	271	257	358	358	249	253	359	400	413	280	34
Trout, Lake.....	181	208	254	224	178	174	302	301	282	199	99
Whitefish.....	3,907	3,640	3,357	3,229	3,236	2,812	2,625	2,906	2,957	2,870	1,012
Miscellaneous.....	323	337	1,359	1,086	2,154	1,754	1,513	1,670	2,293	2,223	19
TOTAL.....	54,954	63,784	54,342	43,510	52,489	56,344	52,905	55,705	63,203	46,081	\$6,531

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North Channel	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
1946	2,059	18,925	493	954	1,292	290	3,589	4,719	679	33,000	5,597
1947	2,002	12,334	466	1,107	666	267	2,830	4,802	448	24,922	4,803
1948	2,046	14,926	437	1,440	913	445	3,371	4,629	735	28,942	5,735
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607	34,061	5,497
1950	2,219	16,866	469	1,301	2,794	668	2,655	5,229	555	32,756	6,252
1951	2,411	13,114	389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
1952	2,281	17,417	792	1,736	5,359	433	3,127	6,221	678	38,044	7,417
1953	2,059	23,389	983	1,396	6,876	458	2,771	6,080	827	44,839	7,037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	6,080	712	47,679	7,013
1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615	45,636	6,783
1956	2,627	44,682	1,029	1,463	1,113	187	2,145	5,878	593	59,717	7,928
1957	1,997	37,105	1,113	988	664	191	2,797	5,764	493	51,113	7,047
1958	2,098	30,751	907	2,023	407	255	2,871	7,316	544	47,172	7,274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4,866
1960	1,958	29,219	659	3,489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341
1963	2,046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504
1964	2,015	25,381	946	3,018	735	214	2,682	7,938	582	43,510	5,230
1965	2,647	35,096	886	2,286	993	289	2,270	7,584	438	52,489	6,404
1966	1,625	41,426	939	1,958	751	209	1,846	7,010	580	56,344	5,995
1967	1,832	37,770	810	1,744	715	207	2,568	6,625	634	52,905	5,927
1968	2,009	39,415	1,121	1,455	728	247	3,365	6,811	554	55,705	5,968
1969	2,270	48,026	919	1,436	581	313	2,951	6,078	629	63,203	7,378
1970	2,905	31,755	87	1,252	498	375	3,382	5,391	436	46,081	6,531

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Year	Bullhead & Catfish	Carp	Eels	Lake Herring	Lake Trout	Smelt	White- fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	288	197	35	413	102	...	398	45	581	2,059	\$ 317
1947	301	119	33	573	64	...	358	40	514	2,002	312
1948	433	208	40	480	42	...	237	30	575	2,045	290
1949	498	181	46	324	22	...	219	28	678	2,006	258
1950	520	242	29	225	15	...	419	34	735	2,219	309
1951	470	217	48	197	40	...	385	90	963	2,410	424
1952	478	253	65	111	32	225	417	103	597	2,281	393
1953	417	371	57	73	14	282	207	75	563	2,059	284
1954	376	309	78	70	7	265	228	114	467	1,914	268
1955	386	318	68	29	4	238	340	124	436	1,943	313
1956	440	616	50	38	2	269	593	121	498	2,627	429
1957	394	314	100	84	1	177	301	118	508	1,997	328
1958	353	323	129	53	1	295	340	166	438	2,098	406
1959	311	536	136	52	1	208	335	151	321	2,051	393
1960	280	310	128	74	1	188	397	126	454	1,958	355
1961	199	314	125	51	3	223	572	125	497	2,109	397
1962	203	248	125	27	1	202	355	106	483	1,750	331
1963	229	417	169	38	1	171	354	68	599	2,046	348
1964	167	270	246	38	...	128	125	66	975	2,015	285
1965	150	314	189	23	...	202	107	46	1,616	2,647	353
1966	123	302	143	36	...	141	57	44	779	1,625	220
1967	127	392	136	59	...	155	48	26	889	1,832	243
1968	169	412	173	40	...	168	77	22	948	2,009	284
1969	240	541	169	40	...	146	81	18	1,035	2,270	330
1970	270	493	146	25	...	165	49	10	1,747	2,905	429

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	1,909	9,525	2,418	.....	.....	.....	1,932	739	2,402	18,925	\$3,089
1947	1,646	2,484	2,252	.....	.....	.....	2,726	793	2,433	12,334	2,676
1948	5,742	603	1,939	.....	.....	.....	3,800	799	2,043	14,926	3,025
1949	9,784	393	2,279	.....	.....	.....	3,620	849	2,168	19,093	2,950
1950	8,611	645	2,166	.....	.....	.....	1,390	1,252	2,802	16,866	3,149
1951	3,914	323	2,758	.....	.....	.....	1,130	1,522	3,497	13,144	2,892
1952	7,267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957	23,389	3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058	28,912	3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896	30,285	3,842
1956	12,002	194	11,573	713	3,694	5,715	542	9,275	974	44,682	5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088	37,105	4,848
1958	824	62	15,410	1,727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857	31,597	2,200
1960	4	6	11,654	1,468	11,467	3,255	21	619	725	29,219	2,060
1961	1	3	17,284	1,116	12,835	3,334	9	269	847	35,698	2,507
1962	.....	2	20,859	1,037	19,108	2,349	10	284	818	44,465	2,353
1963	.....	2	17,963	1,412	10,524	1,855	11	1,875	1,659	35,301	2,530
1964	.....	2	8,351	752	12,735	1,723	3	599	1,216	25,381	2,377
1965	.....	...	18,603	898	11,711	2,611	...	346	927	35,096	3,319
1966	.....	...	20,698	940	15,914	1,757	6	991	1,120	41,426	3,105
1967	.....	...	22,087	494	12,501	822	...	747	1,119	37,770	3,340
1968	.....	...	24,435	651	12,223	751	1	328	1,026	39,415	2,974
1969	.....	...	29,802	339	15,076	875	1	193	1,740	48,026	4,244
1970	.....	...	19,999	259	9,402	195	...	26	1,874	31,755	3,770

Yield of Ontario Fisheries by Species -- LAKE HURON (PROPER) -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Yellow Perch	Sturgeon & Caviar	Suckers	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	89	104	30	336	7	...	158	122	108	954	\$ 151
1947	113	217	7	219	8	...	292	171	80	1,107	211
1948	188	125	10	147	6	...	538	225	201	1,440	348
1949	207	135	3	231	8	...	243	205	228	1,260	246
1950	129	128	.....	359	8	...	226	240	123	1,213	238
1951	109	116	.....	431	8	...	225	254	164	1,307	318
1952	88	107	.....	362	6	...	284	218	55	1,204	267
1953	280	71	.....	496	5	50	180	307	52	1,441	277
1954	454	44	.....	329	7	77	271	231	79	1,492	326
1955	417	54	.....	323	6	111	258	211	89	1,469	324
1956	461	39	.....	155	11	86	216	333	162	1,463	287
1957	321	20	.....	65	46	61	89	266	120	988	290
1958	624	19	.....	719	26	70	156	245	164	2,023	433
1959	1,082	13	.....	236	12	75	229	331	225	2,203	514
1960	1,302	17	.....	859	6	65	827	230	183	3,489	908
1961	2,342	17	.....	1,072	9	193	812	217	97	4,759	1,204
1962	2,180	25	.....	583	7	73	349	263	95	3,575	802
1963	1,669	8	1	539	6	77	269	225	154	2,948	651
1964	1,442	9	1	602	6	98	320	286	254	3,018	711
1965	1,083	13	1	167	4	62	407	245	304	2,286	627
1966	653	4	.....	152	3	96	348	218	484	1,958	466
1967	527	5	2	149	4	141	381	185	350	1,744	464
1968	263	5	4	71	6	121	356	325	303	1,454	509
1969	86	2	.....	141	4	95	493	194	421	1,436	511
1970	53	2	.....	245	1	61	607	21	262	1,252	437

Yield of Ontario Fisheries By Species -LAKE HURON (NORTH CHANNEL)- in 000's lbs. and 000's Dollars

Year	Lake Trout	Northern Pike	Yellow Perch	Sturgeon	Suckers	Whitefish	Yellow Pickerel	Others	Total Catch	Total Value
1946	6	81	2	7	...	25	28	141	290	\$ 42
1947	3	43	2	4	...	77	43	95	267	41
1948	23	42	1	7	...	147	80	145	445	85
1949	53	30	5	7	...	273	63	119	550	112
1950	71	32	12	7	...	310	72	164	668	142
1951	86	28	6	5	...	202	56	165	548	130
1952	65	38	14	4	114	116	52	20	433	84
1953	23	51	17	15	140	134	51	27	458	88
1954	14	69	5	31	104	95	45	32	395	64
1955	2	36	2	15	70	57	38	24	244	56
1956	1	35	2	11	35	57	32	15	188	50
1957	...	27	1	7	46	63	29	19	192	48
1958	...	29	4	7	45	128	33	9	255	84
1959	...	16	4	5	52	54	29	11	171	68
1960	...	22	9	7	74	35	41	18	206	57
1961	...	45	14	8	27	119	13	20	246	74
1962	...	30	31	9	42	104	20	16	252	68
1963	...	34	19	11	35	34	29	10	172	49
1964	...	25	29	9	36	93	15	7	214	65
1965	...	19	88	11	46	37	14	74	289	61
1966	...	21	16	16	40	75	19	22	209	74
1967	...	25	9	13	38	79	21	22	207	70
1968	...	16	14	15	56	99	17	30	247	85
1969	...	11	9	11	47	160	19	56	313	125
1970	...	21	7	11	73	176	35	52	375	124

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Year	Carp	Chub	Lake Herring	Lake Trout	Northern Pike	Sturgeon	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	46	25	21	696	25	1	246	44	188	1,292	\$ 332
1947	21	21	15	368	7	..	87	21	126	666	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	1	805	206	66	1,563	465
1950	35	72	63	351	12	1	2,189	133	56	2,912	800
1951	35	74	26	480	8	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	1	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	60	4,317	1,450
1955	110	64	12	67	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	5	670	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	90	29	32	362	98
1959	22	3	3	1	6	3	49	62	52	201	61
1960	37	29	2	1	4	2	57	40	47	219	61
1961	13	31	1	1	6	1	96	33	19	201	61
1962	21	82	1	.....	10	2	130	61	41	348	95
1963	66	104	1	.....	12	2	207	99	64	555	164
1964	24	121	2	.....	11	3	232	93	249	735	190
1965	10	409	2	.....	11	2	171	72	316	993	234
1966	21	286	3	.....	7	1	157	41	235	751	171
1967	38	227	5	.....	16	2	148	61	218	715	167
1968	21	180	17	.....	11	..	286	61	152	728	222
1969	27	156	11	.....	10	1	196	74	106	581	184
1970	6	127	11	.....	8	1	207	52	86	498	176

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Menominee	Sauger	Sturgeon	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	33	1,511	1,531	...	...	2	275	120	117	3,589	\$ 639
1947	33	1,017	1,286	...	...	1	246	155	92	2,830	503
1948	30	1,295	1,447	...	...	1	306	116	176	3,371	675
1949	12	1,255	1,356	...	...	1	277	125	162	3,188	561
1950	29	505	1,506	...	...	1	341	145	128	2,655	626
1951	45	763	1,273	...	...	2	341	200	227	2,851	641
1952	94	993	1,389	16	124	2	268	163	78	3,127	661
1953	88	745	1,371	8	38	4	282	158	77	2,771	590
1954	91	920	1,266	6	72	5	328	135	67	2,890	565
1955	312	708	1,003	6	49	6	254	130	72	2,540	523
1956	112	821	527	12	69	3	303	186	112	2,145	389
1957	148	1,696	324	12	57	6	285	217	52	2,797	344
1958	125	1,744	366	11	100	6	287	164	68	2,871	376
1959	117	2,833	238	17	68	5	210	271	91	3,850	377
1960	103	2,117	122	54	19	11	99	249	54	2,828	270
1961	81	1,777	48	7	38	8	119	227	48	2,353	214
1962	69	2,570	70	10	52	3	148	174	50	3,146	239
1963	81	2,319	112	11	63	2	161	167	57	2,973	271
1964	42	1,935	106	56	59	1	133	216	134	2,682	249
1965	63	1,553	102	18	18	2	135	291	88	2,270	283
1966	12	1,135	108	8	8	2	134	377	62	1,846	327
1967	8	1,854	202	6	22	3	150	274	49	2,568	351
1968	5	2,649	193	21	17	2	212	119	147	3,365	403
1969	8	2,396	202	19	12	3	211	24	76	2,951	403
1970	4	2,902	168	13	8	1	206	9	71	3,382	428

Yield of Ontario Fisheries by Species -- NORTHERN INLAND -- in 000's lbs and \$000's

Year	Goldeye	Lake Trout	Northern Pike	Sauger	Sturgeon & Caviar	Tullibee	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1946	...	148	744	..	146	162	1,417	1,621	481	4,719	\$ 896
1947	...	151	898	11	136	138	1,156	1,688	624	4,802	777
1948	28	144	806	6	145	139	1,268	1,636	457	4,629	905
1949	50	94	909	..	139	169	1,627	1,706	560	5,254	764
1950	84	106	784	..	122	170	1,738	1,597	628	5,229	881
1951	114	110	915	28	99	210	1,733	1,801	718	5,728	1,035
1952	102	172	965	31	137	241	1,759	1,847	967	6,221	1,072
1953	34	133	831	48	105	329	1,604	1,606	1,390	6,080	795
1954	87	120	1,008	37	81	243	1,674	1,568	1,262	6,080	789
1955	6	110	824	44	71	192	1,497	1,437	1,446	5,627	732
1956	84	62	773	46	71	274	1,643	1,593	1,332	5,878	823
1957	31	153	820	29	83	184	1,658	1,572	1,234	5,764	815
1958	22	244	923	58	149	411	1,855	2,048	1,606	7,316	1,039
1959	15	282	923	40	114	373	2,203	2,323	1,344	7,617	1,090
1960	33	161	878	58	121	430	2,409	2,258	1,886	8,234	1,035
1961	24	129	842	61	119	539	2,180	2,262	1,810	7,966	1,019
1962	34	137	850	78	80	494	2,544	2,539	1,816	8,572	1,171
1963	20	140	887	72	81	475	2,220	2,315	2,130	8,440	1,170
1964	28	117	1,033	78	58	430	2,324	2,047	1,823	7,938	1,047
1965	19	74	1,029	58	55	336	2,378	1,954	1,681	7,584	1,230
1966	7	66	935	51	44	315	1,976	2,048	1,568	7,010	1,314
1967	11	98	863	57	25	402	1,785	1,739	1,645	6,625	1,002
1968	2	103	863	51	32	232	1,861	1,666	2,001	6,811	1,136
1969	..	80	787	38	42	211	1,805	1,200	1,914	6,077	1,149
1970	1	31	695	47	31	98	1,619	1,211	1,658	5,391	1,066

Yield of Ontario Fisheries By Species - SOUTHERN INLAND WATERS - in 000's pounds & 000's Dollars

Year	Bullhead & Catfish	Carp	Lake Herring	Northern Pike	White Perch	Yellow Perch	Sturgeon	Whitefish	Others	Total Catch	Total Value
1946	159	193	...	7	...	5	...	...	315	679	\$ 71
1947	155	100	...	6	...	4	...	...	183	448	48
1948	251	117	...	4	...	4	...	...	357	734	84
1949	203	124	...	2	...	3	...	...	268	607	74
1950	208	137	...	...	...	4	3	...	204	556	62
1951	201	207	...	...	...	5	25	...	269	707	114
1952	196	221	...	3	...	1	11	...	246	678	80
1953	261	181	...	5	...	3	35	...	342	827	103
1954	204	212	...	3	...	4	20	...	269	712	75
1955	199	197	...	...	...	2	16	...	201	615	64
1956	175	235	...	1	...	4	...	...	180	593	57
1957	160	129	1	...	...	3	5	4	191	493	55
1958	170	174	...	...	...	6	23	...	319	544	66
1959	119	112	...	...	...	4	18	...	179	432	54
1960	142	276	...	...	...	7	12	...	149	586	58
1961	110	444	...	...	...	17	19	...	156	746	87
1962	141	364	...	4	...	7	8	...	120	644	75
1963	304	337	...	1	...	6	11	...	204	863	102
1964	190	227	...	3	...	10	6	...	147	582	73
1965	185	119	...	1	3	14	6	...	110	438	61
1966	192	150	...	2	2	5	7	60	162	581	80
1967	183	166	...	3	1	7	16	34	224	634	92
1968	210	109	...	3	...	5	9	14	205	554	83
1969	216	131	28	3	1	14	11	9	216	629	101
1970	89	139	3	4	5	32	...	5	159	436	60

NEW POLICIES

[illegible]

RESOURCE ECONOMICS BRANCH

This Branch advises on economics and marketing by:

- (i) collecting and analysing information on production, transportation and marketing of timber.
- (ii) assisting established forest industry by providing information and data; conducting feasibility studies to accommodate prospective industry and facilitating contact with other Government agencies.
- (iii) conducting special studies such as forest industry impact on Government revenues and owner attitude toward various uses of forest land.
- (iv) issuing saw mill licenses, preparing domestic saw mill directories and interpreting statistical information for the Branch.

RESOURCE ECONOMICS BRANCH

Director: D. P. DRYSDALE

Economics Analysis
Marketing
Production Statistics
Industrial Development
Library Services

MILLS LICENSED as of March 31st

Year	Saw Mills (Daily Capacity in 000's fbm)				Ven- eer	Spec- ialty	Total
	to 10	10-50	50 up	Pulp			
1955	1,120	159	58	29	..	..	1,366
1956	1,115	162	59	29	..	..	1,365
1957	1,120	160	57	29	..	..	1,366
1958	1,124	158	57	29	..	..	1,368
1959	1,120	135	54	29	..	..	1,338
1960	646	129	23	24	..	..	822
1961	668	121	27	24	..	..	840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26	28	97	1,030
1966	671	117	30	27	30	89	964
1967	655	113	25	26	28	97	944
1968	644	100	28	25	29	96	922
1969	593	101	27	25	29	99	874
1970	596	92	31	24	30	96	869
1971	583	89	30	24	28	104	858

TIMBER MANAGEMENT BRANCH

This Branch is responsible for:

- (a) the collection, processing, storing and distribution of sufficient tree seed for planting, seeding and research projects on private land, Agreement Forests and Crown land.
- (b) the improvement of tree seed of important commercial species through use of controlled collections and the establishment and development of seed orchards and seed production areas.
- (c) the production and distribution of stock for planting on private land, Agreement Forests and Crown land and special stock for Department of Highways and other government departments.
- (d) the regeneration of forests on Agreement Forests and Crown lands and on private lands under Woodlands Improvement Act agreements.
- (e) the tending of forests established on private land, Agreement Forests and Crown lands so as to improve the rate of growth and quality of the timber.
- (f) the administration of agreements made between the Minister and Corporations such as Conservation Authorities, Counties and Townships for the management of lands acquired by the Corporations for forestry purposes; recommending the payment of grants to Corporations to assist them in the acquisition of lands for agreement forest purposes.
- (g) advising and assisting Counties in the preparation of by-laws to be passed under The Trees Act to control the destruction of trees by cutting, burning or other means.
- (h) an extension service to provide information and guidance on forestry problems for private landowners, and negotiation of agreements under which planting and woodland improvement work is done on private land under The Woodlands Improvement Act.

TIMBER MANAGEMENT BRANCH

Director: R. M. DIXON

SILVICULTURE SECTION

Supervisor: W.R. Grinnell

Tree Production
Silvicultural Operations
Tree and Seed Development
Equipment Development

ADVISORY SERVICES SECTION

Supervisor: W.A.G. Thurston

Tree Distribution
Agreement Administration
Assessment
Forestry Extension Services

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1, 480, 539
1913-1925	13, 096, 866
1925-1930	46, 642, 175
1930-1935	51, 996, 837
1935-1940	67, 900, 012
1940-1945	57, 617, 763
1945-1946	13, 175, 575
1946-1947	12, 269, 533
1947-1948	13, 049, 776
1948-1949	17, 700, 970
1949-1950	19, 027, 807
1951-1952	20, 749, 268
1952-1953	24, 241, 754
1953-1954	23, 448, 860
1954-1955	25, 519, 383
1955-1956	28, 351, 483
1956-1957	31, 081, 112
1957-1958	25, 854, 262
1958-1959	33, 414, 110
1959-1960	41, 682, 125
1960-1961	49, 833, 412
1961-1962	43, 194, 863
1962-1963	43, 767, 916
1963-1964	43, 922, 685
1964-1965	49, 484, 068
1965-1966	49, 019, 854
1966-1967	51, 712, 461
1967-1968	54, 805, 170
1968-1969	52, 157, 150
1969-1970	62, 623, 496
1970-1971	68, 182, 719
TOTAL	1, 137, 004, 004

REFORESTATION ESTABLISHMENTS

As at March 31st, 1971

SEED PLANT	YEAR ESTABLISHED
Angus	1923
TREE NURSERIES	
Chapleau	1956
Gogama	1956
Sault Ste. Marie	1956
FOREST STATIONS	
Dryden	1958
Kemptville	1946
Midhurst	1922
Orono	1922
St. Williams	1908
Swastika	1958
Thunder Bay	1946

Forest stations include tree nurseries and demonstration forests.

NURSERY STOCK

From Department Nurseries in Year Ended March 31st, 1971.

Tree Species	For Use on Private Land	For Use on Crown Land and Agreement Forests	Educational or Scientific	TOTAL
White Pine.....	2, 195, 577	4, 837, 400	32, 576	7, 065, 553
Red Pine.....	5, 900, 850	5, 214, 675	876	11, 116, 401
Jack Pine.....	532, 950	11, 781, 125	726	12, 314, 801
Scotch Pine.....	1, 479, 325	7, 950	351 a	2, 587, 626
White Spruce...	3, 959, 000	17, 298, 832	2, 126	21, 259, 958
Black Spruce...	84, 725	10, 820, 544	75	10, 905, 344
Norway Spruce..	507, 675	8, 100	426	516, 201
Red Spruce.....	375	351, 525	25	351, 925
White Cedar....	233, 500	4, 225	101	237, 826
European Larch.	148, 625	36, 275	26	184, 926
Tamarack.....	65, 375	7, 500	251	73, 126
White Ash.....	63, 825	675	100	64, 600
Silver Maple....	237, 650	26, 225	851	264, 726
Red Oak.....	169, 400	20, 875	351	190, 626
Carolina Poplar.	311, 775	52, 450	426	364, 651
Black Locust...	100, 150	775	1	100, 926
Black Walnut...	269, 600	2, 000	125	271, 725
Basswood.....	5, 475	225		5, 700
Other Species...	74, 015	229, 512	2, 551	306, 078
TOTAL.....	16, 339, 867	50, 700, 888	41, 964	68, 182, 719

a - Includes 1, 100, 000 furnished for miscellaneous purposes.

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

COUNTY OR DISTRICT	1967	1968	1969	1970	1971	Five - Year Total 1967-1971
Algoma.....	168,025	75,050	152,250	110,450	92,325	598,100
Brant.....	182,050	163,050	96,650	292,625	226,175	960,550
Bruce.....	85,925	96,750	204,250	220,300	254,852	862,077
Carleton.....	170,825	134,000	304,475	330,325	576,675	1,516,300
Cochrane.....	3,000	7,525	12,200	....	29,300	52,025
Dufferin.....	242,950	307,225	431,675	508,100	456,275	1,946,225
Dundas.....	51,300	26,475	75,600	131,975	86,325	371,675
Durham.....	368,450	275,500	466,700	414,375	619,071	2,144,096
Elgin.....	79,450	65,625	138,725	292,075	327,900	903,775
Essex.....	48,625	67,675	47,350	51,750	84,350	299,750
Frontenac.....	155,500	161,925	140,675	281,650	280,925	1,020,675
Glengarry.....	58,950	276,350	200,825	301,100	187,025	1,024,250
Grenville.....	176,350	187,450	322,725	416,575	431,150	1,534,250
Grey.....	251,825	417,925	414,450	616,016	858,235	2,558,451
Haldimand.....	36,225	72,125	56,200	98,375	112,190	375,115
Haliburton.....	64,000	28,600	16,050	25,800	186,150	320,600
Halton.....	186,600	215,575	363,975	287,975	428,150	1,482,275
Hastings.....	196,500	161,725	308,425	467,425	572,000	1,706,100
Huron.....	114,950	93,800	25,650	93,110	193,550	521,060
Kenora.....	98,700	143,325	57,575	8,350	187,400	495,350
Kent.....	40,425	58,600	19,050	39,227	30,050	187,352
Lambton.....	74,650	91,975	59,280	52,050	99,445	377,400
Lanark.....	150,925	130,875	274,450	391,950	488,925	1,437,125
Leeds.....	102,475	60,225	178,450	180,850	277,775	799,775
Lennox & Addington...	52,925	54,325	68,425	100,165	162,375	438,215

Lincoln.....	30,150	70,050	54,875	68,125	71,500	294,700
Manitoulin.....	101,600	156,850	3,275	11,150	7,175	280,050
Middlesex.....	245,350	234,650	205,946	247,153	349,341	1,282,440
Muskoka.....	138,300	268,800	157,550	186,875	194,050	945,575
Nipissing.....	125,800	122,425	40,975	12,075	69,325	370,600
Norfolk.....	169,525	262,500	211,550	251,914	191,470	1,086,959
Northumberland.....	114,550	119,225	317,325	263,000	362,043	1,176,143
Ontario.....	341,850	335,100	256,425	400,982	533,130	1,867,487
Oxford.....	289,550	360,125	139,850	245,150	293,900	1,328,575
Parry Sound.....	302,350	192,525	179,875	326,725	412,175	1,413,650
Peel.....	461,425	385,875	425,274	429,800	471,385	2,173,759
Perth.....	14,750	48,325	77,150	35,550	146,775	322,550
Peterborough.....	184,800	356,225	324,993	381,438	476,455	1,723,911
Prescott.....	366,700	90,775	397,925	159,375	301,800	1,316,575
Prince Edward.....	25,900	19,475	20,950	52,600	40,900	159,825
Rainy River.....	166,350	130,187	71,938	204,950	249,975	823,400
Renfrew.....	318,225	821,750	1,391,825	1,179,325	1,281,050	4,992,175
Russell.....	92,650	153,825	216,375	125,425	170,200	758,475
Simcoe.....	665,375	881,685	880,110	993,319	1,057,545	4,478,034
Stormont.....	39,700	46,000	100,375	86,325	64,325	336,725
Sudbury.....	156,475	145,675	110,800	117,675	255,050	785,675
Thunder Bay.....	521,150	185,175	200,325	559,700	276,275	1,742,625
Timiskaming.....	9,350	11,400	10,550	5,625	6,550	43,475
Victoria.....	47,375	37,850	47,789	263,150	115,575	511,739
Waterloo.....	191,350	200,250	256,775	297,025	235,325	1,180,725
Welland.....	214,250	191,400	170,175	220,325	144,425	940,575
Wellington.....	256,175	193,175	607,750	435,200	456,550	1,948,850
Wentworth.....	207,175	310,495	318,500	453,775	436,820	1,726,765
York.....	582,525	514,050	322,835	520,640	420,185	2,360,235
TOTAL.....	9,542,325	10,219,517	11,956,165	14,246,964	16,339,867	62,304,838

FOREST AREAS MANAGED BY THE MINISTER as of March 31, 1971

22 CONSERVATION AUTHORITIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1970-71	Total
Ausable River	Dec. 13, 1951	.....	4,299.00
Catfish Creek	Dec. 19, 1962	.....	501.00
Central Lake Ontario	Sept. 24, 1963	.....	195.00
Crowe Valley	Aug. 21, 1963	.....	200.00
Ganaraska Region	Jan. 31, 1947	.....	8,548.60
Grand River	Mar. 18, 1952	.....	5,866.37
Hamilton Region	Oct. 19, 1962	.....	12.50
Lakehead Region	May 15, 1958	.....	1,266.70
Long Point	Dec. 2, 1954	192.83	5,566.23
Lower Thames Valley	Aug. 12, 1964	.....	300.00
Maitland Valley	Apr. 1, 1955	.....	949.00
Metropolitan Toronto and Region	Apr. 11, 1951	.....	1,928.00
Moir River	Nov. 28, 1951	.....	16,497.00
Napanee Valley	Oct. 28, 1954	.....	6,666.00
Niagara Peninsula	June 6, 1963	.....	186.00
North Grey Region	June 25, 1958	.....	7,255.00
Otonabee Region	May 15, 1963	400.00	2,220.00
Sauble Valley	Sept. 29, 1959	.....	3,816.00
Saugeen Valley	Dec. 15, 1952	50.00	13,623.00
South Nation River	Mar. 28, 1960	1,413.00	3,842.80
Sydenham Valley	July 13, 1965	.....	150.00
Upper Thames River	Apr. 11, 1951	.....	3,444.36
Sub-Totals		2,055.83	87,322.56
11 TOWNSHIPS			
Bonfield	Apr. 1, 1952	.....	60.00
Charlottenburgh	Apr. 1, 1955	.....	175.00
Cramahe	Jan. 14, 1964	.....	162.00
Cumberland	May 29, 1952	.....	808.44
Darlington	Aug. 19, 1964	.....	140.00
Galway & Cavendish	Nov. 1, 1952	.....	619.00
Machar	Dec. 30, 1963	.....	90.00
Marlborough	Nov. 21, 1953	.....	200.00
Mosa	July 16, 1964	.....	144.00
Torbolton	Mar. 28, 1953	.....	430.80
Williamsburgh	Oct. 19, 1962	.....	400.00
Sub-Totals .....		.....	3,229.24

FOREST AREAS MANAGED BY THE MINISTER (Continued)

22 AGREEMENTS - 27 COUNTIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1970-71	Total
Brant.....	Nov. 15, 1952	.....	50.00
Bruce.....	Jan. 20, 1950	.....	15,533.35
Dufferin.....	Nov. 26, 1930	.....	2,405.00
Grey.....	Dec. 21, 1937	.....	8,378.08
Halton.....	Mar. 14, 1950	.....	1,498.63
Huron.....	Nov. 27, 1950	.....	1,439.00
Kent.....	Dec. 23, 1953	.....	75.39
Lanark.....	July 5, 1940	1,591.00	5,721.00
Leeds & Grenville.....	Apr. 24, 1940	385.00	11,561.00
Lennox & Addington.....	Apr. 3, 1952	.....	1,186.00
Middlesex.....	Mar. 8, 1954	.....	1,793.90
Northumberland & Durham.....	June 10, 1924	15.63	5,834.63
Ontario.....	July 9, 1930	400.00	5,041.00
Oxford.....	Sept. 1, 1950	.....	716.56
Prescott & Russell.....	Mar. 15, 1937	257.00	25,509.93
Renfrew.....	Dec. 26, 1951	1,305.00	14,611.00
Simcoe.....	June 19, 1925	562.50	22,145.24
Stormont, Dundas & Glengarry.....	Sept. 20, 1949	1,045.00	3,611.45
Victoria.....	Aug. 10, 1928	.....	8,319.00
Waterloo.....	Apr. 17, 1950	.....	710.48
Wellington.....	June 18, 1964	.....	1,100.00
Wentworth.....	Nov. 27, 1952	.....	989.30
Sub-Totals.....		5,561.13	138,229.94
REGIONAL MUNICIPALITIES			
Ottawa-Carleton.....	July 30, 1964	330.00	1,160.00
York.....	Mar. 27, 1924	100.00	4,825.08
Sub-Totals.....		430.00	5,985.08
GOVERNMENT OF CANADA			
National Capital Commission.....	Aug. 16, 1961	.....	3,632.00
TOTALS.....		8,046.96	238,398.82

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

FIVE - YEAR
TOTAL
1967 - 1971

CONSERVATION AUTHORITY	1967	1968	1969	1970	1971	
Ausable River.....	168,925	143,900	161,620	39,400	17,000	530,845
Big Creek Region.....	11,000	.....	26,500	12,500	4,200	54,200
Catfish Creek.....	.....	9,200	3,000	.....	.....	12,200
Central Lake Ontario..	.....	.....	.....	.....	.....	.....
Crowe Valley.....	.....	.....	.....	.....	.....	.....
Ganaraska Region.....	28,000	39,775	46,025	24,000	28,000	165,800
Grand River.....	60,300	72,000	23,500	16,000	16,100	187,900
Lakehead Region.....	.....	40,000	.....	5,000	.....	45,000
Long Point.....	.....	.....	.....	.....	5,000	5,000
Maitland Valley.....	13,000	22,550	.....	.....	10,000	45,550
Metro Toronto & Region.	22,200	46,700	11,200	15,200	17,200	112,500
Moirs River.....	60,000	61,250	20,000	21,000	57,800	220,050
Napanee Valley.....	.....	24,000	11,500	12,000	.....	47,500
Niagara Peninsula.....	.....	.....	.....	.....	.....	.....
North Grey Region.....	57,525	11,900	37,000	16,000	.....	122,425
Otonabee Region.....	30,000	.....	30,000	.....	12,000	72,000
Otter Creek.....	28,000	.....	19,500	3,000	.....	50,500
Sauble Valley.....	36,900	174,700	43,000	.....	15,000	269,600
Saugeen Valley.....	70,250	89,000	63,325	69,800	114,000	406,375
South Nation River.....	421,225	234,325	52,750	40,350	312,000	1,060,650
Sydenham Valley.....	.....	.....	20,000	10,500	.....	30,500
Upper Thames River.....	72,450	350	.....	10,000	.....	82,800
Lower Thames Valley...	7,025	.....	.....	.....	.....	7,025
SUB-TOTAL.....	1,086,900	969,650	568,920	294,750	608,300	3,528,420
TOWNSHIP						
Charlottenburgh.....	.....	.....	2,500	.....	.....	2,500
Cramahe.....	4,500	.....	.....	.....	.....	4,500
Cumberland.....	.....	.....	.....	.....	.....	.....
Darlington.....	.....	.....	.....	.....	.....	.....
Mosa.....	5,000	.....	.....	.....	.....	5,000
Galway, Cavendish.....	.....	.....	.....	.....	.....	.....
Macher.....	.....	.....	.....	.....	.....	.....
Marlborough.....	.....	.....	.....	40,000	.....	40,000
Torbolton.....	.....	.....	.....	109,000	.....	109,000
Williamsburgh.....	.....	.....	.....	52,000	.....	52,000
SUB-TOTAL.....	9,500	.....	2,500	201,000	.....	213,000

National Capital Commission.....		219,550	392,700	416,675	161,029	456,900	1,646,854
COUNTY							
Brant.....	.....	.....	.....	.....	.....	.....	.....
Bruce.....	.....	67,000	61,000	200	29,700	7,000	164,900
Carleton.....	.....	.....	84,000	50,000	.....	.....	134,000
Dufferin.....	.....	3,000	13,300	.....	8,300	20,000	44,600
Grey.....	.....	99,450	48,400	.....	.....	5,000	152,850
Halton.....	.....	35,100	.....	27,950	4,000	26,500	93,550
Huron.....	.....	5,800	28,475	.....	.....	.....	34,275
Kent.....	.....	.....	.....	.....	.....	.....	.....
Lanark.....	.....	78,000	101,900	40,000	31,300	75,000	326,200
Leeds & Grenville.....	.....	537,700	689,250	670,300	478,100	300,000	2,675,350
Lennox & Addington.....	.....	.....	.....	.....	.....	.....	.....
Middlesex.....	.....	7,825	5,700	1,000	16,000	6,000	36,525
Northumberland and Durham.....	.....	18,000	35,000	10,000	26,250	7,000	96,250
Ontario.....	.....	3,050	.....	37,400	1,000	19,000	60,450
Oxford.....	.....	29,250	2,000	.....	.....	.....	31,250
Prescott & Russell.....	.....	228,450	204,875	158,000	272,200	172,700	1,036,225
Renfrew.....	.....	338,400	348,000	170,250	270,000	168,300	1,294,950
Simcoe.....	.....	241,675	251,000	322,325	257,750	363,100	1,435,850
Stormont, Dundas and Glengarry.....	.....	14,000	.....	.....	33,200	54,500	101,700
Victoria.....	.....	.....	.....	.....	.....	.....	.....
Waterloo.....	.....	26,200	22,000	9,000	3,500	3,000	63,700
Wellington.....	.....	5,000	.....	900	15,500	.....	21,400
Wentworth.....	.....	6,500	25,000	19,000	14,250	38,000	102,750
York.....	.....	5,000	.....	5,020	3,000	4,400	17,420
SUB-TOTAL.....		1,749,400	1,919,900	1,521,345	1,464,050	1,269,500	7,924,195
TOTAL.....		3,065,350	3,282,250	2,509,440	2,120,829	2,334,700	13,312,469

TREES PLANTED ON CROWN LANDS In years ending March 31st

DISTRICT	1967	1968	1969	1970	1971	FIVE-YEAR TOTAL	
						1967-1971	1967-1971
Chapleau.....	3,621,800	3,559,700	2,671,800	3,601,000	3,338,000	16,792,300	16,792,300
Cochrane.....	2,456,875	2,534,831	2,535,550	2,658,700	2,871,075	13,057,031	13,057,031
Fort Frances.....	1,087,350	1,144,500	1,500,600	2,303,739	1,594,000	7,630,189	7,630,189
Geraldton.....	4,737,125	4,743,800	6,275,192	6,607,475	5,947,550	28,311,142	28,311,142
Gogama.....	3,696,225	3,181,577	.....	.....	.....	11,015,927	11,015,927
Kapuskasing.....	4,674,117	4,498,561	4,742,065	5,965,600	4,717,530	24,597,873	24,597,873
Kemptville.....	252,450	369,663	291,600	384,320	1,614,550	2,912,583	2,912,583
Kenora.....	1,298,100	948,585	2,060,575	1,985,450	2,377,700	8,670,410	8,670,410
Lake Erie.....	354,300	184,600	82,616	135,000	122,274	878,790	878,790
Lake Huron.....	16,760	13,750	91,450	33,619	334,940	490,519	490,519
Lake Simcoe.....	40,325	.....	.....	.....	316,603	356,928	356,928
Lindsay.....	899,100	790,000	228,000	215,814	216,985	2,349,899	2,349,899
North Bay.....	1,614,000	1,601,730	1,767,000	1,248,500	2,146,000	8,377,230	8,377,230
Parry Sound.....	754,731	892,850	775,985	655,000	731,661	3,810,227	3,810,227
Pembroke.....	1,097,000	1,569,775	1,460,275	1,880,000	2,776,988	8,784,038	8,784,038
Sault Ste. Marie.....	3,150,750	3,051,625	2,508,925	2,018,475	2,745,396	13,475,171	13,475,171
Sioux Lookout.....	738,300	1,776,905	2,094,600	2,694,100	1,575,500	8,879,405	8,879,405
Sudbury.....	2,611,780	3,343,536	2,555,350	6,015,225	5,636,525	20,162,416	20,162,416
Swastika.....	3,371,850	3,834,550	3,969,925	3,982,425	4,914,445	20,073,195	20,073,195
Thunder Bay.....	2,246,500	2,021,800	2,482,100	3,126,800	3,709,341	13,586,541	13,586,541
Tweed.....	1,138,612	1,172,800	783,050	700,000	1,030,218	4,824,680	4,824,680
White River.....	304,000	546,000	1,015,000	1,439,200	1,737,052	5,041,252	5,041,252
Miscellaneous.....	.....	.....	.....	.....	246,555	246,555	246,555
TOTAL.....	40,162,050	41,781,138	39,891,658	47,650,442	50,700,888	220,186,176	220,186,176
Total Planted on Crown Land and Agreement Forests	43,277,400	45,063,388	42,401,098	49,771,271	53,035,588	233,548,745	233,548,745

TREES PLANTED IN FOREST DISTRICTS for year ending March 31, 1971.

District	CROWN LAND		AGREEMENT FORESTS		PRIVATE LANDS		OTHER		TOTAL TREES
	Nursery Trees	Container Stock	Nursery Trees	Nursery Trees	Nursery Trees	Nursery Trees	Nursery Trees	Nursery Trees	
Chapleau.....	3,298,500	244,000	.....	.....	.....	.....	.....	.....	3,542,500
Cochrane.....	2,628,000	152,000	.....	.....	.....	29,300	.....	.....	3,009,300
Fort Frances.....	1,636,900	335,700	.....	.....	.....	249,975	.....	.....	2,202,575
Geraldton.....	7,058,600	99,000	.....	.....	.....	.....	.....	.....	7,157,600
Kapuskasing.....	5,128,000	280,800	.....	.....	.....	.....	.....	.....	5,408,800
Kemptville.....	260,300	.....	1,371,100	.....	2,584,200	.....	.....	.....	4,215,600
Kenora.....	2,440,700	.....	.....	.....	187,400	.....	.....	.....	2,628,100
Lake Erie.....	100,000	.....	11,000	.....	1,410,671	.....	.....	.....	1,521,671
Lake Huron.....	27,200	.....	248,200	.....	3,530,332	.....	.....	.....	3,805,732
Lake Simcoe.....	.....	.....	431,300	.....	2,938,520	.....	.....	.....	3,369,820
Lindsay.....	130,000	.....	47,000	.....	1,759,294	.....	.....	.....	1,936,294
North Bay.....	2,146,000	411,000	.....	.....	69,325	.....	.....	.....	2,626,325
Parry Sound.....	666,600	.....	.....	.....	606,225	.....	.....	.....	1,272,825
Pembroke.....	2,692,000	433,000	.....	.....	653,000	.....	.....	.....	3,860,000
Sault Ste. Marie.....	2,385,300	799,300	.....	.....	92,325	.....	.....	.....	3,276,925
Sioux Lookout.....	1,598,700	96,900	.....	.....	.....	.....	.....	.....	1,695,600
Sudbury.....	5,271,200	533,200	.....	.....	262,225	.....	.....	.....	6,066,625
Swastika.....	5,228,300	2,221,500	.....	.....	6,550	.....	.....	.....	7,456,350
Thunder Bay.....	3,651,800	502,800	.....	.....	276,275	.....	.....	.....	4,430,875
Tweed.....	865,500	.....	144,100	.....	1,684,250	.....	.....	.....	2,693,850
White River.....	1,585,500	714,300	.....	.....	.....	.....	.....	.....	2,299,800
Unclassified.....	.....	.....	.....	.....	.....	.....	246,555	.....	246,555
TOTALS.....	48,999,100	6,803,500	2,334,700	16,339,867	246,555	74,723,722			

FOREST REGENERATION BY DISTRICTS — Acreage for year ending March 31st, 1971.

CROWN LAND	NATURAL REGENERATION				DIRECT SEEDING			PLANTING			Total Area Regener- ated	For Seeding and Planting
	Site Prepar.	Modified Harvest Cutting	Seed Tree System	Sub- Total	Ground	Aerial	Sub- Total	Nursery Stock	Tubed Seedling	Sub- Total		
Chapleau.....	66	.....	.....	66	300	2,785	3,085	3,516	230	3,746	6,897	6,200
Cochrane.....	.....	40	.....	40	15	502	517	3,339	160	3,499	4,056	5,168
Fort Frances.....	60	79	420	559	.....	.....	.....	5,684	495	6,179	6,738	1,923
Geraldton.....	715	810	.....	1,525	378	8,142	8,520	8,116	282	8,398	18,443	6,306
Kapuskasing.....	.....	.....	.....	.....	.....	.....	.....	9,080	300	9,380	9,380	3,828
Kemptville.....	.....	.....	.....	.....	.....	.....	.....	271	.....	271	271	131
Kenora.....	710	.....	.....	710	57	2,270	2,327	3,082	.....	3,082	6,119	5,544
Lake Erie.....	.....	.....	.....	.....	.....	.....	.....	356	.....	356	356	.....
Lake Huron.....	.....	.....	.....	.....	.....	.....	.....	28	.....	.....	28	.....
Lake Simcoe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lindsay.....	.....	.....	.....	.....	.....	.....	.....	217	.....	217	217	.....
North Bay.....	85	1,158	.....	1,243	1,170	710	1,880	3,638	544	4,182	7,305	2,549
Parry Sound.....	1,203	1,850	.....	3,053	.....	.....	.....	1,153	.....	1,153	4,206	680
Pembroke.....	506	1,526	426	2,458	204	.....	204	5,169	1,248	6,417	9,079	792
Sault Ste. Marie...	2,045	.....	965	3,010	72	100	172	3,178	871	4,049	7,231	1,967
Stioux Lookout.....	5,350	.....	.....	5,350	153	475	628	2,394	140	2,534	8,512	1,963
Sudbury.....	.....	.....	.....	.....	.....	950	950	5,704	435	6,139	7,089	3,536
Swastika.....	.....	.....	.....	.....	.....	.....	.....	5,408	2,125	7,533	7,533	4,934
Thunder Bay.....	3,035	620	416	4,071	1,879	.....	1,879	4,873	618	5,491	11,441	4,378
Tweed.....	.....	581	2,000	2,581	.....	.....	.....	1,196	.....	1,196	3,777	88
White River.....	518	.....	.....	518	1,149	.....	1,149	2,151	638	2,789	4,456	2,716
Sub-Total:	14,293	6,664	4,227	25,184	5,377	15,934	21,311	68,553	8,086	76,639	123,134	52,703

* Not Included In Total Area Regenerated.

FOREST REGENERATION BY DISTRICTS — Acreage for year ending March 31st, 1971.

AGREEMENT FORESTS	NATURAL REGENERATION					DIRECT SEEDING			PLANTING			Total Area Regener- ated	*SITE PRE- PARATION Seeding and Planting
	Site Prepar.	Modified Harvest Cutting	Seed Tree System	Sub- Total	Ground	Aerial	Sub- Total	Nursery Stock	Tubed Seedling	Sub- Total			
Kemptville.....	1,597	.....	1,597	871	1,597	871
Lake Erie.....	11	.....	11	.....	11	.....
Lake Huron.....	348	.....	348	12	348	12
Lake Simcoe.....	620	.....	620	81	620	81
Lindsay.....	67	.....	67	.....	67	.....
Pembroke.....	109	.....	109	.....	109	.....
Tweed.....	190	.....	190	70	190	70
Sub-Total:	2,942	.....	2,942	1,034	2,942	1,034
TOTAL.....	14,293	6,664	4,227	25,184	5,377	15,934	21,311	71,495	8,086	79,581	53,737	126,076	53,737

*Not included in Total Area Regenerated

FOREST TENDING BY DISTRICTS — Acreage for year ending March 31st, 1971.

Forest District	Hand Cleaning	Herbicide Spraying (Release)	Thinning & Improvement Cutting	Girdling & Frilling & Poisoning	Marking for Improvement Cutting	Pruning	Fertilization	Total
CROWN LAND								
Chapleau.....	270	230	.....	.....	.....	.....	.....	500
Cochrane.....	....	52	360	133	.....	.....	.....	545
Fort Frances.....	20	30	.....	.....	.....	.....	120	170
Geraldton.....	481	.....	.....	.....	.....	.....	.....	481
Kapuskasing.....	147	2,692	.....	.....	.....	.....	500	3,339
Kemptville.....	15	45	.....	90	.....	260	.....	410
Kenora.....	885	.....	8	.....	.....	.....	.....	893
Lake Erie.....	....	.....	.....	.....	.....	.....	.....	.....
Lake Huron.....	....	.....	.....	.....	.....	.....	.....	.....
Lake Simcoe.....	360	.....	.....	.....	.....	.....	.....	360
Lindsay.....	18	98	.....	1,585	.....	.....	57	1,758
North Bay.....	853	.....	.....	360	.....	.....	.....	1,213
Parry Sound.....	....	107	1,080	1,478	2,345	26	.....	5,036
Pembroke.....	358	2,400	1,103	879	15,396	.....	.....	20,676
Sault Ste. Marie.....	632	3,365	2,019	372	490	1,482	500	8,860
Sioux Lookout.....	95	.....	.....	38	.....	.....	.....	133
Sudbury.....	705	.....	.....	.....	.....	.....	.....	705
Swastika.....	1,026	4,541	.....	.....	.....	.....	.....	5,567
Thunder Bay.....	478	.....	2	.....	.....	.....	.....	480
Tweed.....	1,735	445	1,081	.....	.....	1,954	.....	5,215
White River.....	....	2,696	89	125	.....	.....	.....	2,910
Sub-Total:	8,078	16,701	5,742	5,060	18,771	3,722	1,177	59,251

FOREST TENDING BY DISTRICTS — Acreage for year ending March 31st, 1971.

Forest District	Hand Cleaning	Herbicide Spraying (Release)	Thinning & Improvement Cutting	Girdling Frilling & Poisoning	Marking for Improvement Cutting	Pruning	Fertilization	Total
AGREEMENT FORESTS.....								
Kemptville.....	716	292	398	102	.....	113	.....	1,621
Lake Erie.....	.....	.....	.....	.....	.....	.....	.....	.....
Lake Huron.....	60	.....	1,183	95	63	649	.....	2,050
Lake Simcoe.....	218	43	658	334	36	749	.....	2,038
Lindsay.....	109	.....	110	.....	.....	457	.....	676
Pembroke.....	25	.....	160	.....	10	105	.....	300
Tweed.....	.....	.....	55	.....	.....	.....	.....	55
Sub-Total:	1,128	335	2,564	531	109	2,073	.....	6,740
TOTAL.....	9,206	17,036	8,306	5,591	18,880	5,795	1,177	65,991

SILVICULTURAL OPERATIONS ON CROWN LANDS - Acreage treated in years ending March 31st.

Operations	1967	1968	1969	1970	1971	FIVE-YEAR TOTAL 1967-1971
REGENERATION						
Site Preparation for						
Natural Regeneration....	16,997	16,838	16,704	20,978	14,293	85,630
Modified Harvest System..	1,483	9,200	9,747	8,808	6,664	35,902
Seed Tree System.....	1,816	1,718	3,260	13,498	4,227	24,519
Planting.....	51,010	78,134	77,168	79,076	76,639	362,027
Direct Seeding.....	8,923	11,135	9,618	11,154	21,311	62,141
Sub-Total:	80,329	117,025	116,497	133,514	123,134	570,499
TENDING						
Hand Cleaning.....	4,481	3,291	13,591	6,891	8,078	36,332
Herbicide Spraying.....	12,620	23,053	25,236	42,272	16,701	119,832
Thinning, Improvement,						
Cutting.....	5,700	8,011	7,296	6,111	5,742	32,860
Girdling, Frilling,						
Poisoning.....	1,365	1,854	7,085	5,841	5,060	21,205
Marking for Improvement						
Cutting.....	.....	.....	.....	.....	18,771	18,771
Pruning.....	1,907	441	1,582	898	3,722	8,550
Fertilization.....	.....	118	95	1,014	1,177	2,404
Drainage.....	.....	.....	.....	40	.....	40
Sub-Total:	26,073	36,766	54,885	63,067	59,251	240,042
TOTAL.....	106,402	153,791	171,382	196,581	182,385	810,541
Site Preparation for						
Planting and Seeding.....	35,157	44,541	54,029	46,841	52,703	233,271
TOTAL AREA.....	141,559	198,332	225,411	243,422	235,088	1,043,812

NEW POLICIES

[illegible]

TIMBER SALES BRANCH

This Branch is responsible for:

- (a) The inventory of forest resources on Crown lands. The policy with respect to inventory on large licensees has been changed to one in which the Department will carry out all inventories.
- (b) The preparation of management plans for Crown Management Units and Agreement Forests and the approval of plans prepared for Company Management Units.
- (c) The sale of timber.
- (d) The measurement of timber cut on Crown lands for the purposes of collecting charges.

TIMBER SALES BRANCH

Director: J. BARRON

RESOURCES INVENTORY SECTION

Supervisor: B. Cardwell

**Inventory of Forest Resources
Air Photo Library
Map and Photo Services**

MANAGEMENT PLANNING SECTION

Supervisor: D. Hughes

**Crown Management Plans
Company Management Plans
Access Roads**

TIMBER LICENSING SECTION

Supervisor: J.R. Keddie

**Sale of Timber
Wood Measurement**

TIMBER CUT ON CROWN LAND IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	+Sawlogs	*Long Timber	Pulpwood	Fuel Wood	††Misc.	Total Volume	Stumpage Value
1954	.....	58,144	851	225,659	3,647	26,840	315,141	\$10,756
1955	.....	73,522	2,378	245,988	4,804	8,114	334,806	11,658
1956	5,403	110,413	2,259	262,146	4,214	826	379,888	12,191
1957	5,192	96,953	2,781	289,985	4,517	858	395,054	13,514
1958	5,051	83,700	2,796	245,161	3,891	1,290	336,838	11,565
1959	5,421	80,157	2,644	207,003	3,968	1,836	295,608	10,297
1960	5,096	93,366	3,499	246,493	2,744	2,038	348,140	12,282
1961	5,114	107,824	2,720	232,744	2,678	1,146	347,112	12,182
1962	4,534	86,559	1,474	233,782	2,091	1,695	325,601	11,297
1963	4,664	101,999	1,267	237,423	1,965	3,195	345,850	12,091
1964	4,392	122,015	1,524	231,301	1,614	3,611	360,065	12,506
1965	3,095	127,469	2,467	240,209	1,601	4,463	376,209	13,455
1966	3,330	115,388	2,407	261,923	1,143	4,980	385,841	13,446
1967	2,805	93,541	1,966	321,161	1,028	5,773	423,469	14,582
1968	2,695	99,719	1,448	327,315	1,739	5,674	435,895	14,866
1969	2,459	82,845	1,112	304,784	646	6,749	396,136	13,809
1970	2,310	76,747	867	351,860	548	327	430,349	14,428
1971	2,333	60,520	891	333,565	600	209	395,785	12,829

+ Includes veneer bolts and veneer logs.

* Includes piling, poles, dimension and boom timber.

†† Includes mining timbers, poker poles, posts, Christmas trees, other.

VOLUME OF WOOD CUT ON CROWN LAND BY SPECIES - 000's cubic feet in years ending March 31st

SPECIES	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
SOFTWOODS										
Balsam.....	12,316	11,174	10,219	11,454	10,044	11,366	14,525	12,225	13,677	11,464
Cedar.....	341	105	182	177	170	205	567	255	185	148
Hemlock.....	2,429	1,841	3,032	3,128	2,694	2,759	2,855	2,355	2,251	1,519
Jack Pine.....	70,903	78,485	82,239	89,613	99,390	111,791	107,875	114,166	121,391	115,284
Red Pine.....	5,291	6,029	6,446	7,297	6,767	6,962	7,022	4,572	3,767	3,767
Scotch Pine.....	.....	.....	.....	17	.....	.....	.....	.....	.....	14
White Pine.....	17,606	21,930	24,409	24,769	24,702	22,073	24,316	17,389	14,290	11,673
Spruce.....	178,063	182,327	185,756	195,017	197,935	223,502	220,569	198,982	221,448	203,886
Tamarack.....	36	39	28	98	73	86	120	61	22	11
Mixed Conifers...	906	828	453	445	419	449	659	302	356	257
HARDWOODS										
Ash.....	65	100	95	104	143	85	76	125	53	33
Basswood.....	359	434	575	480	465	360	462	392	325	262
Beech.....	175	278	483	359	480	432	351	255	332	218
White Birch.....	1,754	2,295	3,732	3,332	3,203	2,964	5,654	3,430	2,241	1,669
Yellow Birch.....	6,925	8,822	8,963	8,983	8,284	7,400	8,370	5,780	4,588	4,059
Butternut.....	2	2	2	1	1	1	2	1	1	.....
Cherry.....	20	18	22	30	25	25	20	14	20	19
Elm.....	274	286	267	278	384	247	423	199	170	133
Maple.....	5,212	6,537	7,649	8,459	8,323	9,041	10,004	5,963	5,235	4,807
Oak.....	207	276	355	348	387	321	282	331	311	242
Poplar.....	21,256	22,907	25,995	20,654	21,205	21,260	27,682	22,535	24,994	21,338
Mixed Hardwoods..	1,186	1,137	1,162	1,166	744	2,140	4,062	6,705	13,889	14,983
TOTALS										
Softwoods.....	287,894	302,758	310,765	332,014	342,196	379,193	378,508	350,407	378,191	348,022
Hardwoods.....	37,707	43,092	49,300	44,195	43,645	44,276	57,388	45,730	52,159	47,762
All Species.....	325,601	345,850	360,065	376,209	385,841	423,469	435,895	396,137	430,350	395,785
Total Value*	11,229	12,057	12,473	13,417	13,416	14,528	14,832	13,809	14,428	12,829

(*\$000's, export levy not included)

TIMBER CUT ON CROWN LAND in 000's Cubic Feet and \$000's in year ending March 31, 1971.

FOREST DISTRICT	Permits Issued	Sawlogs	Long Timber	Pulpwood	Fuel Wood	Misc.	Total Volume	Stumpage Value
Chapleau.....	65	6,116	36	22,287	20	....	28,460	\$ 772
Cochrane.....	155	4,664	69	35,045	56	1	39,835	1,370
Fort Frances.....	142	4,129	50	10,829	8	5	15,021	413
Geraldton.....	49	1,281	....	59,168	17	1	60,467	1,805
Kapuskasing.....	146	10,414	9	30,048	53	3	40,528	1,092
Kemptville.....	15	13	....	69	15	6	103	4
Kenora.....	201	863	35	37,699	12	4	38,613	1,186
Lindsay.....	37	877	4	146	12	....	1,040	57
North Bay.....	155	6,252	100	5,600	4	7	12,006	541
Parry Sound.....	146	2,167	8	291	48	129	2,643	183
Pembroke.....	56	7,683	418	7,258	12	....	15,371	595
Sault Ste. Marie.....	119	4,064	....	3,844	49	....	7,957	424
Sionx Lookout.....	104	899	0	30,147	97	0	31,143	971
Sudbury.....	175	3,142	86	4,943	45	1	8,216	285
Swastika.....	295	3,410	7	14,274	89	17	17,807	599
Thunder Bay.....	226	2,323	55	54,175	16	3	56,572	1,815
Tweed.....	224	1,851	2	3,180	8	22	4,764	203
White River.....	23	672	0	14,562	5	0	15,240	514

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
CORDAGE Pulpwood Rough	White Pine		10,649.48	905,206.30	26,746.88
	Red Pine		10,287.50	874,437.70	24,529.10
	Jack Pine		408,053.13	34,684,516.19	890,203.45
	Scots Pine		164.95	14,020.75	247.42
	Pine - all		10.10	858.50	14.14
	All Spruce		779,858.17	65,745,302.51	2,545,554.84
	Hemlock		4,216.24	358,380.40	6,873.17
	Balsam		43,838.48	3,726,269.24	8,011.89
	Cedar		655.06	55,680.10	1,384.87
	Tamarack		38.92	3,308.20	75.74
	Conifers		118.42	10,065.70	426.53
	Maple		201.09	17,092.65	708.70
	Yellow Birch		13.70	1,164.50	13.87
	White Birch		5,369.34	456,393.90	6,238.10
	Oak .....		.88	74.80	.88
	Beech .....		.80	68.00	.80
	Ash		2.50	212.50	2.50
	Elm		1.80	153.00	1.80
	Basswood		1.66	141.10	1.66
	Black Cherry .....		.36	30.60	.36
	Poplar		134,926.64	11,491,376.45	93,308.23
	Hardwoods		16,944.03	1,440,242.35	22,772.66
Total			1,415,353.25	119,784,995.44	3,704,117.61
Pulpwood Peeled	Jack Pine		16,081.29	1,608,129.00	39,437.30
	All Spruce		63,082.59	6,305,281.50	231,259.17
	Hemlock		11.80	1,180.00	20.65
	Balsam		7,987.41	797,791.35	16,934.23
	White Birch		768.92	68,746.40	844.41
	Poplar		26,099.40	2,316,531.60	28,767.48
	Hardwoods		465.99	46,599.00	396.10
Total			114,497.40	11,144,258.85	317,659.34

Veneer Bolts					
All Spruce	943.01	80,155.85	3,307.51		
White Birch	2,336.10	198,568.69	2,273.42		
Poplar	15,482.66	1,316,026.10	12,763.83		
Total	18,761.77	1,594,750.64	18,344.76		
Fuelwood					
Jack Pine	1,044.79	88,807.15	582.45		
Tamarack	9.49	806.65	4.75		
Conifers	1,495.81	127,193.85	939.81		
White Birch	6.08	516.80	3.04		
Beech	60.80	5,168.00	39.52		
Hardwoods	4,415.28	377,426.30	3,731.75		
Total	7,032.25	599,918.75	5,301.32		
Total Cordage	1,555,644.67	133,123,923.68	4,045,423.03		
LOGS, LONG TIMBERS					
Pulp Logs					
White Pine	390,570	809,851.24	13,701.12		
Red Pine	3,900	16,342.40	337.83		
Jack Pine	1,623,074	7,036,060.08	176,495.59		
All Spruce	7,175,478	24,145,090.41	894,294.70		
Balsam	584,100	1,926,191.53	37,591.57		
Cedar	20	209.00	9.42		
Tamarack	20	497.10	16.24		
Conifers	7,244	19,933.93	350.09		
Poplar	18,208	3,670.00	51.38		
Hardwoods	18,208	106,177.81	835.91		
Total	9,802,594	34,064,023.50	1,123,683.85		

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs (Cu. Ft.)	White Pine	105,615	1,383,954.82	1,389,482.02	86,323.77
	Red Pine	109,566	868,815.93	872,794.17	57,361.07
	Jack Pine	1,859,829	10,175,222.19	10,177,449.96	319,625.98
	Pine - all	3,515	12,831.21	12,831.21	423.42
	All Spruce	2,246,222	12,541,940.06	12,543,844.34	225,135.72
	Hemlock	1,267	22,972.94	22,972.94	412.91
	Balsam	42,304	192,526.21	192,568.21	3,649.92
	Cedar	5,009	19,095.18	20,654.22	681.30
	Tamarack	627	3,801.04	3,801.04	106.14
	Maple		3,504.20	3,504.20	224.37
	Yellow Birch	3,005	15,664.20	15,664.20	131.63
	White Birch	41,992	263,958.59	263,958.59	3,120.53
	Oak		1,984.30	1,984.30	115.77
	Beech		463.00	463.00	13.90
	Ash	36	798.37	798.37	35.86
	Elm		51.00	51.00	2.58
	Basswood		2,411.00	2,411.00	192.90
	Poplar	246,171	1,837,975.76	1,837,975.76	22,890.69
	Hardwoods	26,303	191,045.71	191,045.71	6,444.09
	Total	4,691,461	27,539,015.71	27,554,254.24	736,992.52
Veneer Logs (Cu. Ft.)	White Pine	99	802.47	802.47	28.41
	All Spruce	54,582	370,018.88	370,018.88	13,305.26
	Balsam	32	115.45	115.45	4.62
	White Birch	23,231	140,594.65	140,594.65	1,946.12
	Poplar	525,600	3,325,345.12	3,325,345.12	36,613.54
Total		603,544	3,836,876.57	3,836,876.57	51,897.98

Long Timber	White Pine	2,001	29,719.22	29,719.22	2,441.63
	Red Pine	23,423	511,554.36	511,554.36	54,932.42
	Jack Pine	11,518	146,439.33	146,439.33	17,920.17
	All Spruce	18,860	136,802.22	136,802.22	8,308.89
	Hemlock	1,480	49,063.45	49,063.45	2,901.28
	Balsam	677	3,693.20	3,693.20	129.78
	Cedar	842	3,233.21	3,233.21	122.11
	Tamarack	4	35.17	35.17	1.16
	Conifers	268	5,404.49	5,404.49	340.35
	Poplar	610	2,753.37	2,753.37	40.68
	Hardwoods		2,185.00	2,185.00	32.78
Total		59,683	890,883.02	890,883.02	82,171.25
Sawlogs MBM	White Pine	727,621	58,346.55	8,530,859.06	670,515.36
	Red Pine	162,702	9,590.25	1,462,319.62	103,398.67
	Jack Pine	58,879	1,717.60	287,659.70	8,276.34
	All Spruce	210,618	8,524.51	1,351,765.24	75,162.88
	Hemlock	82,470	6,243.89	917,573.01	27,134.55
	Balsam	6,749	167.73	29,791.99	1,998.02
	Cedar	3,249	82.82	15,868.09	839.03
	Tamarack	261	8.49	1,478.34	48.23
	Maple	442,619	32,163.54	4,786,311.64	282,956.45
	Yellow Birch	387,492	28,031.69	4,041,706.02	413,345.73
	White Birch	72,363	3,497.73	535,630.77	22,391.65
	Oak	30,074	1,478.78	239,859.11	15,127.52
	Beech	23,674	1,414.50	211,954.27	7,198.02
	Ash	3,622	205.78	31,738.63	1,767.82
	Elm	9,212	892.18	132,976.77	7,387.73
	Basswood	29,114	1,607.18	259,150.01	20,203.65
	Butternut	15	.92	172.71	9.24
	Black Cherry	2,002	129.58	18,944.44	872.05
	Poplar	76,242	3,805.32	616,048.97	16,927.25
Total		2,328,978	157,909.04	23,471,808.39	1,675,560.19
Veneer Logs MBM	White Birch	41	2.38	340.19	47.60
Total		41	2.38	340.19	47.60
Total Logs, Long Timbers		17,486,301	66,488,710.22	89,818,185.91	3,660,353.36

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
TREE LENGTH MATERIAL					
	White Pine	223	6,941.34	6,941.34	406.53
	Red Pine	1,310	29,107.14	29,107.14	1,880.30
	Jack Pine	4,867,457	50,902,819.32	50,902,819.32	1,287,153.66
	White Spruce	96,540	1,949,313.67	1,949,313.67	67,641.18
	Black Spruce	2,887,506	14,290,202.94	14,290,202.94	495,870.08
	All Spruce	10,640,233	67,136,997.74	67,136,997.74	2,424,526.31
	Balsam	714,463	4,613,418.09	4,613,418.09	89,950.35
	Cedar	279	1,281.90	1,281.90	37.69
	Tamarack	238	1,276.99	1,276.99	25.54
	White Birch	438	4,300.71	4,300.71	66.58
	Poplar	11,209	189,060.31	189,060.31	1,706.35
	Jack Pine	571,722	18,277.96 MBM	3,423,533.04	73,347.35
	All Spruce	129,062	3,411.05	638,771.52	18,817.30
	Balsam	15	.13	133.78	4.15
Total		19,920,695	139,146,409.29	143,187,158.49	4,461,433.34
WEIGHT MEASURE					
	Jack Pine		3,883,377.35	6,922,815.74	174,161.86
	All Spruce		4,924,693.36	9,171,220.99	322,607.57
	Hemlock		102,025.07	170,041.76	3,115.34
	Balsam		97,366.60	174,225.46	4,402.59
	Conifers		48,331.40	80,552.31	3,804.97
	Poplar		139,321.48	236,860.72	2,111.50
	Hardwoods		7,607,247.93	12,690,885.38	146,184.16
Total			16,802,363.19	29,446,602.36	656,387.99

MISCELLANEOUS					
Poker Poles	Hardwoods		1,515.56	128,822.60	1,515.56
	Jack Pine	2,634	5,340.29	5,340.29	125.51
Mining Timber	All Spruce	6,653	12,597.91	12,597.91	453.54
	Tamarack	21	46.44	46.44	1.28
Posts	All Spruce	30	32.84	32.84	5.00
	Cedar		5,501.81	5,501.81	203.54
Posts	Cedar	167	13.05	48.43	1.67
Poker Poles	Poplar	5,000	5,000.00	2,500.00	100.00
Christmas Trees	All Spruce	13,414	13,364.29	8,401.65	674.45
	Balsam	600	300.00	300.00	60.00
Posts	Pine all		12,877.92 Lin. Ft.	272.00	128.76
	All Spruce	30	210.00	42.00	4.20
	Cedar	27,905	206,955.88	45,091.39	2,484.96
Total		56,287	263,755.99	208,997.36	5,758.47
GRAND TOTAL				395,784,867.80	12,829,356.19

Number of District Cutting Licences issued and included in above - 2,333

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

CHAPIEAU

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
CORDAGE					
Pulpwood Rough	White Pine .....		.21	17.85	
	Jack Pine		127,946.06	10,875,415.10	260,634.48
	All Spruce		28,968.40	2,462,314.00	84,066.67
	Balsam		85.94	7,304.90	125.80
	Poplar		13,614.80	1,157,258.00	6,833.19
Total			170,615.41	14,502,309.85	351,660.43
Fuelwood	Conifers		117.50	9,987.50	117.50
	Hardwoods		122.50	10,412.50	122.50
Total			240.00	20,400.00	240.00
Total Cordage			170,855.41	14,522,709.85	351,900.43
LOGS, LONG TIMBERS					
Sawlogs (Cu. Ft.)					
	White Pine	20	251.30	251.30	13.57
	Jack Pine	769,715	4,055,713.64	4,055,713.64	110,849.06
	All Spruce	211,419	1,242,149.59	1,242,149.59	43,346.27
	Balsam	1,737	7,769.99	7,769.99	145.48
	White Birch	2,483	25,908.45	25,908.45	233.17
	Poplar	27,180	263,398.73	263,398.73	2,393.50
	Total	1,012,554	5,595,191.70	5,595,191.70	156,980.05
Long Timber	Jack Pine	1,739	32,780.45	32,780.45	1,762.58
	All Spruce	161	3,690.29	3,690.29	218.06
Total		1,900	36,470.74	36,470.74	1,980.64
Sawlogs MBM	White Pine	32,879	3,666.37	516,744.38	30,363.60
	Red Pine	232	25.74	3,635.67	194.29
Total		33,111	3,692.11	520,380.05	30,557.89
Total Logs, Long Timbers		1,047,565	5,635,354.55	6,152,042.49	189,518.58

CHAPIEAU Cont'd.

TREE LENGTH MATERIAL			
Jack Pine	238,804	2,246,146.70	2,246,146.70
All Spruce	409,023	2,087,918.84	2,087,918.84
Balsam	5,251	39,386.89	39,386.89
Total	653,078	4,373,452.43	4,373,452.43
WEIGHT MEASURE			
Jack Pine		796,527.14	1,422,369.89
All Spruce		1,038,555.36	1,854,563.12
Balsam		75,346.91	134,548.05
Total		1,910,429.41	3,411,481.06
MISCELLANEOUS			
Posts	30	210.00	42.00
Total	30	210.00	42.00
GRAND TOTAL		28,459,727.83	771,746.43

Number of District Cutting Licences issued and included in above - 65

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

COCHICANE

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
CORDAGE					
Pulpwood Rough	Jack Pine		1,597.95	135,825.75	3,442.38
	All Spruce		137,319.68	11,672,172.80	429,584.14
	Balsam		8,858.02	752,931.70	15,013.12
	Cedar		39.84	3,386.40	89.65
	White Birch		34.78	2,956.30	20.87
	Poplar		842.74	71,632.90	505.65
Total			148,693.01	12,638,905.85	448,655.81
Pulpwood Peeled					
	Jack Pine		785.62	78,562.00	1,962.93
	All Spruce		11,716.28	1,171,628.00	43,470.51
	Balsam		332.54	33,254.00	803.00
	Poplar		678.89	67,889.00	493.62
Total			13,513.33	1,351,333.00	46,730.06
Veneer Bolts					
	Poplar		513.65	43,660.25	513.65
Total			513.65	43,660.25	513.65
Fuelwood					
	Conifers		40.00	3,400.00	20.00
	Hardwoods		615.00	52,275.00	312.50
Total			655.00	55,675.00	332.50
Total Cordage					
			163,374.99	14,089,574.10	496,232.02
LOGS, LONG TIMBERS					
Pulp Logs	Jack Pine	287,997	1,811,587.15	1,811,587.15	44,746.23
	All Spruce	3,466,213	12,574,776.02	12,574,776.02	466,511.39
	Balsam	129,769	537,207.31	537,207.31	9,186.26
Total		3,883,979	14,923,570.48	14,923,570.48	520,443.88

COCHRANE Cont'd.

Sawlogs (Cu. Ft.)

White Pine	1,229	31,906.71	31,906.71	1,595.34
Jack Pine	197,261	1,040,803.97	1,040,803.97	47,839.15
All Spruce	197,679	824,287.25	824,287.25	33,200.38
Balsam	5,237	22,783.07	22,783.07	430.46
White Birch	932	8,333.64	8,333.64	97.90
Poplar	28,564	231,718.89	231,718.89	1,825.79
Total	430,902	2,159,833.53	2,159,833.53	84,989.02
Veneer Logs				
White Pine	99	802.47	802.47	28.41
All Spruce	54,582	370,018.88	370,018.88	13,305.26
Balsam	32	90,115.45	115.45	4.62
White Birch	15,325	90,272.66	90,272.66	1,082.62
Poplar	305,306	1,808,876.43	1,808,876.43	21,706.67
Total	375,344	2,270,085.89	2,270,085.89	36,127.58
Long Timber				
Jack Pine	4,065	66,160.60	66,160.60	7,868.98
All Spruce	359	3,059.52	3,059.52	142.46
Total	4,424	69,220.12	69,220.12	8,011.44
Sawlogs MEM				
White Pine	636	99.10	13,629.51	963.01
Red Pine	255	12.39	1,952.23	120.16
Jack Pine	5,117	106.30	18,540.78	425.20
All Spruce	40,516	640.73	117,712.10	4,485.11
Balsam	443	8.62	1,541.05	35.34
White Birch	459	11.18	1,829.12	21.30
Poplar	6,414	230.93	35,089.68	375.31
Total	53,840	1,109.25	190,294.47	6,425.43
Total Logs, Long Timber	4,748,489	19,423,819.27	19,613,004.49	655,997.35

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

COCHRANE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
TREE LENGTH MATERIAL					
	Jack Pine	61,693	164,176.61	164,176.61	4,662.11
	All Spruce	810,007	5,243,417.69	5,243,417.69	198,452.28
	Balsam	135,496	723,756.83	723,756.83	14,150.42
Total		1,007,196	6,131,351.13	6,131,351.13	217,264.81
MISCELLANEOUS					
Posts	Cedar	392	3,020.00 Lin. Ft.	604.00	30.20
Total		392	3,020.00	604.00	30.20
GRAND TOTAL				39,834,533.72	1,369,524.38

Number of District Cutting Licences issued and included in above - 155

PORT FRANCES

CORDAGE

Pulpwood Rough

White Pine
Red Pine
Jack Pine
All Spruce
Balsam
Cedar
Tamarack
White Birch
Poplar

478.09
2,513.72
30,943.06
32,250.85
1,397.09
266.95
3.30
52.04
24,216.28
92,121.38

40,637.65
213,666.20
2,630,160.10
2,741,322.25
118,752.65
22,690.75
280.50
4,423.40
2,058,383.80
7,830,317.30

Total 98.00 8,330.00 98.00 20,221.66 217,744.49

Fuelwood Hardwood

98.00 8,330.00 98.00

Total 92,219.38 7,838,647.30 217,842.49

Total Cordage

LOGS, LONG TIMBERS

Pulp Logs

Jack Pine

265 1,577.09 1,577.09 43.52
265 1,577.09 1,577.09 43.52

Total

Saw Logs (Cu. Ft.)

White Pine
Red Pine
Jack Pine
All Spruce
Balsam
Cedar
Poplar

777 6,582.74
2,623 25,466.99
909 6,002.34
22.67 1,926.95
50 42.50
285 1,400.16
1,439 8,461.46
6,033 47,936.86

768.10
1,999.71
309.18
85.01
1.25
78.37
60.27
3,301.89

Total

Long Timber

White Pine
Red Pine

124 5,019.78
1,550 44,555.94
1,674 49,575.72

387.59
3,280.80
3,668.39

Total

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

FORT FRANCES Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs MBM	White Pine	31	3.92	544.09	35.28
	Red Pine	1,694	82.13	12,611.20	739.17
	Ash	142	3.77	577.74	18.85
Total		1,867	89.82	13,733.03	793.30
Total Logs, Long Timbers		9,839	99,179.49	128,061.14	7,807.10
TREE LENGTH MATERIAL					
Total	White Pine	146	4,360.80	4,360.80	256.84
	Red Pine	396	3,323.38	3,323.38	180.41
	Jack Pine	100,454	1,152,026.90	1,152,026.90	28,568.01
	All Spruce	381,989	1,836,183.15	1,836,183.15	65,941.48
	Cedar	279	1,281.90	1,281.90	37.69
	White Birch	3	37.25	37.25	0.22
	Poplar	2	14.23	14.23	0.09
	Jack Pine	571,139	18,269.24 MBM	3,414,810.68	73,076.96
	All Spruce	128,894	3,409.58	637,303.54	18,752.71
	Total	1,183,302	3,018,906.43	7,049,341.83	186,814.41
MISCELLANEOUS					
Christmas Trees	All Spruce	9,999	9,949.29	4,999.15	499.95
Total		9,999	9,949.29	4,999.15	499.95
GRAND TOTAL				15,021,049.42	412,963.95

Number of District Cutting Licences issued and included in above - 142

GERALDTON

CORDAGE Pulpwood Rough	Jack Pine	30,119.44	2,560,152.06	63,253.20
	All Spruce	183,148.16	15,567,593.18	591,149.37
	Balsam	6,933.05	589,308.99	13,071.87
	Cedar	2.00	170.00	4.50
	White Birch	154.87	13,163.95	148.88
	Poplar	56,644.82	4,814,809.70	29,100.07
Total		277,002.34	23,545,197.88	696,727.89
Veneer Bolts	All Spruce	158.81	13,498.85	484.40
	White Birch	389.57	33,113.45	292.22
	Poplar	5,898.22	501,348.70	4,215.62
		6,446.60	547,961.00	4,992.24
Total		202.00	17,170.00	176.50
Fuelwood	Hardwoods	202.00	17,170.00	176.50
Total		202.00	17,170.00	176.50
Total Cordage		283,650.94	24,110,328.88	701,896.63
LOGS, LONG TIMBERS Sawlogs (Cu. Ft.)	White Pine	438.84	438.84	19.31
	Red Pine	420.00	420.00	13.86
	Jack Pine	1,660.00	1,660.00	49.80
	All Spruce	4,534.82	4,534.82	207.96
	Balsam	330.44	330.44	9.70
	Cedar	104.76	104.76	2.72
	White Birch	816.65	816.65	10.53
	Poplar	7,455.09	7,455.09	52.19
		597	15,760.60	366.07
	White Birch	1,491.46	1,491.46	17.90
	Poplar	715,784.98	715,784.98	6,370.55
		114,114	717,276.44	6,388.45
Total		5	127.76	12.50
Long Timber	All Spruce	5	127.76	12.50
Total		5	127.76	12.50
Total Logs, Long Timbers		114,716	733,164.80	6,767.02

GERALDTON Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
TREE LENGTH MATERIAL					
	Jack Pine.....	1,210,057	11,462,950.91	11,462,950.91	283,134.88
	White Spruce	96,540	1,949,313.67	1,949,313.67	67,641.18
	Black Spruce	2,887,506	14,290,202.94	14,290,202.94	495,870.05
	All Spruce	931,452	5,820,972.70	5,820,972.70	208,972.93
	Balsam	305,825	2,098,286.41	2,098,286.41	40,325.93
	White Birch	272	2,125.00	2,125.00	15.30
	Poplar	118	1,700.00	1,700.00	12.24
Total		5,431,770	35,622,551.63	35,622,551.63	1,095,972.51
MISCELLANEOUS					
Mining Timbers	All Spruce	30	32.84	32.84	5.00
Christmas Trees	Balsam	600	300.00	300.00	60.00
Posts	Cedar	140	568.40 Lin. Ft.	312.40	29.96
Total		770	901.24	645.24	94.96
GRAND TOTAL				60,466,690.55	1,804,731.12

Number of District Cutting Licences issued and included in above - 49

KAPUSKASING					
CORDAGE					
Pulpwood Rough	Jack Pine		2,690.10	228,658.50	5,596.70
	All Spruce		123,079.55	10,469,117.30	384,486.49
	Balsam		2,995.47	254,614.95	6,501.95
	Poplar		1,925.67	186,294.00	3,143.80
Total			130,690.79	11,138,684.75	399,728.94

KAPUSKASING Cont'd.

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Long Timber	All Spruce	171	8,725.91	8,725.91	467.51
	Cedar		126.88	126.88	5.08
	Tamarack	4	35.17	35.17	1.16
Total		175	8,887.96	8,887.96	473.75
Total Logs, Long Timbers		3,654,924	17,078,679.35	17,078,679.35	321,323.90
TREE LENGTH MATERIAL					
	Jack Pine	80,114	1,326,916.27	1,326,916.27	2,554.77
	All Spruce	1,216,707	8,332,929.02	8,332,929.02	289,968.93
	Balsam	92,875	427,751.69	427,761.69	8,888.59
	Poplar	3,966	62,591.87	62,591.87	450.67
Total		1,393,662	10,150,188.85	10,150,188.85	301,862.96
MISCELLANEOUS					
Posts	Cedar	1,711	15,648.00	3,130.00	156.48
Total		1,711	15,648.00	3,130.00	156.48
GRAND TOTAL				40,527,846.40	1,091,711.98

Number of District Cutting Licences issued and included in above - 146

KEMPTVILLE

CORDAGE
Pulpwood Rough

	All Spruce	2.70	229.50	229.50	8.10
	Balsam	2.60	221.00	221.00	5.20
	Conifers	94.65	8,045.25	8,045.25	369.48
	Poplar	268.73	22,842.05	22,842.05	268.73
	Hardwoods	442.99	37,654.15	37,654.15	1,582.99
Total		811.67	68,991.95	68,991.95	2,234.50

KEMPTVILLE Cont'd.

	Quantity	Value	Weight
Fuelwood			
Jack Pine.....		50.00	4,250.00
Beech		60.80	5,168.00
Hardwoods		66.92	5,688.20
Total		177.72	15,106.20
Total Cordage		989.39	84,098.15
LOGS, LONG TIMBERS			
Sawlogs MBM			
White Pine	409	37.76	7,058.69
Red Pine	12	.40	74.21
All Spruce	90	4.63	864.85
Balsam	15	.39	72.15
Cedar	142	4.71	881.12
Tamarack	1	.07	13.27
Maple	21	1.17	218.32
Yellow Birch	3	.17	32.53
White Birch	89	4.61	862.06
Oak	35	1.55	288.97
Beech	2	.13	23.36
Ash	5	.12	22.42
Elm	80	6.26	1,169.72
Basewood	19	.83	134.77
Poplar	93	8.34	1,558.88
Total	1,016	71.14	13,295.32
MISCELLANEOUS			
Mining Timber			
Cedar		5,501.81	5,501.81
Total		5,501.81	5,501.81
GRAND TOTAL		102,895.28	3,750.28

Number of District Cutting Licences issued and included in above - 15

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

MEMORANDUM

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
CORDAGE Pulpwood Rough	White Pine		1,330.25	113,071.25	4,988.44
	Red Pine		2,117.50	179,987.50	5,848.71
	Jack Pine		70,128.47	5,960,919.95	167,166.37
	All Spruce		47,646.41	4,049,944.85	182,324.15
	Balsam		2,604.36	221,370.55	5,857.58
	Cedar		87.14	7,406.90	196.06
	White Birch		97.78	8,311.30	97.78
	Ash .....		.50	42.50	.50
	Poplar		21,473.76	1,825,184.60	19,632.95
	Total		145,485.17	12,366,239.40	386,111.64
Pulpwood Peeled	Poplar		705.62	70,562.00	493.93
Total			705.62	70,562.00	493.93
Fuelwood	Conifers		108.00	9,180.00	108.00
	Hardwoods		30.00	2,550.00	30.00
Total			138.00	11,730.00	138.00
Total Cordage			146,328.79	12,448,531.40	386,743.57
LOGS, LONG TIMBERS Pulp Logs	Jack Pine	1,148,300	4,501,927.80	4,501,927.80	113,927.63
	All Spruce	944,380	2,998,377.60	2,998,377.60	105,514.98
	Balsam	520	1,813.40	1,813.40	39.12
	Total	2,093,200	7,502,118.80	7,502,118.80	219,481.77

KENORA Cont'd.

Sawlogs (Cu. Ft.)

White Pine	20,637	343,251.63	343,251.63	20,988.27
Red Pine	15,237	86,951.75	86,951.75	3,873.01
Jack Pine	32,998	259,841.59	259,841.59	6,827.02
All Spruce	13,623	123,189.97	123,189.97	4,547.69
Balsam	5	30.21	30.21	.94
Cedar	2,085	8,222.49	8,222.49	221.66
Ash	36	168.27	168.27	4.37
Poplar	4,407	30,907.35	30,907.35	370.86
Total	89,028	852,563.26	852,563.26	36,833.82

Long Timber

White Pine	45	1,989.69	1,989.69	136.66
Red Pine	180	4,550.26	4,550.26	317.55
Jack Pine	221	2,031.56	2,031.56	95.41
All Spruce	540	26,372.17	26,372.17	1,814.84
Cedar	10	19.60	19.60	.51
Total	996	34,963.28	34,963.28	2,364.97
Total Logs, Long Timbers	2,183,224	8,389,645.34	8,389,645.34	288,680.56

TREE LENGTH MATERIAL

Red Pine	906	25,521.12	25,521.12	1,684.39
Jack Pine	160,457	1,962,167.25	1,962,167.25	48,670.31
All Spruce	385,792	2,669,676.19	2,669,676.19	89,863.41
Balsam	3,408	26,770.74	26,770.74	441.78
Jack Pine	583	8,722.36	8,722.36	270.39
All Spruce	168	1,467.98	1,467.98	64.59
Balsam	15	133.78	133.78	4.15
Total	551,329	4,684,145.62	4,694,459.42	140,999.02

WEIGHT MEASURE

Jack Pine	3,086,850.21	5,500,445.85	5,500,445.85	138,103.70
All Spruce	3,883,865.00	7,312,869.54	7,312,869.54	258,635.13
Balsam	13,772.79	25,932.57	25,932.57	612.88
Poplar	139,321.48	236,860.72	236,860.72	2,111.50
Total	7,123,809.48	13,076,108.68	13,076,108.68	339,463.21

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

KEMORA Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
MISCELLANEOUS					
Christmas Trees	Cedar	2,400	6,448.20	4,016.20	151.86
Total		2,400	6,448.20	4,016.20	151.86
GRAND TOTAL				38,612,761.13	1,186,038.22

Number of District Cutting Licences issued and included in above - 201

LINDSAY

CORDAGE					
Pulpwood Rough	White Pine		1.15		1.73
Total	Hardwoods		70.12	97.75	57.50
Fuelwood			71.27	5,960.20	59.23
Total	Hardwoods		144.34	6,057.95	
Total Cordage			144.34	12,268.90	108.25
LOGS, LONG TIMBERS					
Pulp Logs	Conifers	1,344	6,863.73	6,863.73	123.54
Total	Hardwoods	16,773	95,104.71	95,104.71	769.47
Long Timber		18,117	101,968.44	101,968.44	893.01
	White Pine	8	248.04	248.04	21.71
	Red Pine	77	725.88	725.88	51.06
	All Spruce	12	317.11	317.11	26.44
	Hemlock	114	3,081.70	3,081.70	256.29
	Balsam		80.00	80.00	4.80
Total		211	4,452.73	4,452.73	360.30

LINDSAY Cont'd.

Sawlogs MBM

White Pine	3,888	311.25	50,086.89	4,080.90
Red Pine	191	11.96	2,210.43	174.40
All Spruce	1,067	62.88	10,605.58	784.81
Hemlock	6,572	436.64	64,409.51	2,322.14
Balsam	1,042	26.75	4,487.61	263.14
Cedar	231	8.31	1,529.51	63.77
Tamarack	18	.31	53.94	1.24
Maple	50,097	3,443.27	511,153.23	32,623.47
Yellow Birch	6,388	466.47	67,529.50	7,434.24
White Birch	639	36.48	5,671.76	180.74
Oak	2,258	131.68	21,700.22	1,324.23
Beech	6,866	415.19	60,467.77	1,690.22
Ash	1,276	76.76	11,682.93	671.58
Elm	837	69.79	11,022.09	606.95
Basswood	4,048	228.04	36,261.07	2,765.84
Black Cherry	348	18.57	2,759.18	131.96
Poplar	1,669	98.69	15,792.70	541.11
Total	87,435	5,843.04	877,423.92	55,660.74
Total Logs, Long Timbers	105,763	112,264.21	983,845.09	56,914.05
HEIGHT MEASURE				
Hardwoods all		22,950.80	38,251.33	344.26
Total		22,950.80	38,251.33	344.26
GRAND TOTAL			1,040,423.27	57,425.79

Number of District Cutting Licences issued and included in above - 37

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

NORTH BAY

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
CORDAGE Pulpwood Rough	White Pine		3,379.26	287,237.60	7,528.85
	Red Pine		460.04	39,103.60	921.06
	Jack Pine		707.27	60,118.40	1,804.00
	All Spruce		2,334.83	198,461.15	7,701.46
	Hemlock .....		.04	3.40	.06
	Balsam		365.32	31,051.75	659.59
	Tamarack .....		.06	5.10	.09
	Poplar		6,659.59	566,065.15	4,994.73
	Hardwoods		5,657.67	480,901.75	7,153.67
	Total		19,564.08	1,662,947.90	30,763.51
Fuelwood	Hardwoods		446.00	37,910.00	446.00
Total			446.00	37,910.00	446.00
Total Cordage			20,010.08	1,700,857.90	31,209.51
LOGS, LONG TIMBERS Pulp Logs	White Pine	44,380	241,129.20	241,129.20	3,978.67
	Red Pine	3,660	12,614.80	12,614.80	208.11
	Jack Pine	6,440	18,425.80	18,425.80	433.01
	All Spruce	94,420	293,171.60	293,171.60	10,524.88
	Balsam	14,380	26,657.40	26,657.40	471.89
	Total	163,280	591,998.80	591,998.80	15,616.56
Sawlogs (Cu. Ft.)	White Pine	5,028	49,675.86	49,675.86	3,971.15
	Red Pine	14,860	118,895.81	118,895.81	9,511.58
	Jack Pine	31,248	119,266.68	119,266.68	3,518.04
	All Spruce	35,532	201,465.86	201,465.86	8,698.94
	Balsam	231	541.04	541.04	14.73
	Cedar	120	327.00	327.00	13.10
	Tamarack	4	21.73	21.73	.87
	White Birch	7	57.54	57.54	.69
	Poplar	7,254	76,952.81	76,952.81	705.97
	Total	94,284	567,204.33	567,204.33	26,435.07

NORTH BAY Cont'd.

Long Timber	White Pine	1,427	14,733.29	14,733.29	1,411.34
	Red Pine	1,036	21,359.81	21,359.81	1,913.60
	Jack Pine	3,032	15,623.21	15,623.21	1,787.28
	All Spruce	13,580	50,079.03	50,079.03	3,435.61
	Balsam	361	1,803.00	1,803.00	72.23
	Cedar	607	1,934.47	1,934.47	80.17
	Conifers	68	2,376.15	2,376.15	82.87
	Hardwoods		2,185.00	2,185.00	32.78
Total		20,111	110,093.96	110,093.96	7,815.88
Sawlogs MBM	White Pine	262,769	25,677.56	3,680,721.32	274,829.67
	Red Pine	76,492	5,877.49	859,959.67	58,945.80
	Jack Pine	114	5.50	863.00	41.45
	All Spruce	27,960	1,763.09	264,389.02	14,332.97
	Hemlock	421	30.93	4,501.86	154.49
	Balsam	98	4.73	871.43	38.11
	Cedar	22		122.00	1.96
	Tamarack	128	3.60	673.00	22.61
	Maple	35,915	2,284.75	334,902.98	16,956.46
	Yellow Birch	52,370	2,896.19	424,861.15	41,841.64
	White Birch	9,183	494.84	73,194.42	4,325.15
	Oak	778	48.42	7,098.50	324.57
	Ash	207	12.47	1,827.69	86.62
	Elm	1,042	107.03	14,863.69	672.55
	Basswood	23	1.68	244.86	16.80
	Black Cherry	258	12.87	1,918.74	80.30
	Poplar	1,399	92.04	13,386.55	415.23
Total		469,179	39,313.84	5,684,399.88	413,086.38
Total Logs, Long Timbers		746,854	1,308,610.93	6,953,696.97	462,953.89
TREE LENGTH MATERIAL	Jack Pine	42,043	598,315.84	598,315.84	14,957.92
	All Spruce	2,799	23,348.33	23,348.33	863.88
Total		44,842	621,664.17	621,664.17	15,821.80

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

NORTH BAY Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
WEIGHT MEASURE					
	Conifers		2,563.80	4,273.00	145.57
	Hardwoods		1,630,717.09	2,718,799.35	30,718.72
Total			1,633,280.89	2,723,072.35	30,862.29
MISCELLANEOUS					
Poles	Poplar	5,000	5,000.00	2,500.00	100.00
Posts	Cedar	2,761	22,539.00 Lin. Ft.	4,507.00	450.78
Total		7,761	27,539.00	7,007.00	550.78
GRAND TOTAL				12,006,298.39	541,398.27

Number of District Cutting Licences issued and included in above - 155

PARRY SOUND

CORDAGE

Pulpwood Rough

White Pine	537.26	45,667.10	753.14
Red Pine	55.38	4,707.30	553.80
Jack Pine	116.93	9,939.05	233.86
All Spruce	4.76	404.60	23.28
Hemlock	2.40	204.00	3.60
Balsam	277.18	23,559.50	566.36
Maple - all	132.02	11,221.70	379.07
Yellow Birch	7.20	612.00	7.20
White Birch	620.14	52,711.90	469.00
Oak .....	.50	42.50	.50
Beech .....	.80	68.00	.80
Ash	2.00	170.00	2.00
Elm	1.80	133.00	1.80
Basswood	1.66	141.10	1.66
Black Cherry .....	.36	30.60	.36
Poplar	643.97	54,737.45	653.97
Hardwoods	1,015.65	86,330.23	1,015.65

4,666.05

Total	3,420.01	290,700.05	563.00
Fuelwood	563.00	47,855.00	563.00
Total	563.00	47,855.00	563.00
Total Cordage	3,983.01	338,555.05	5,229.05

LOGS, LONG TIMBERS Sawlogs (Cu. Ft.)

White Pine	4,523	44,957.14	3,596.57
Red Pine	2,889	16,719.80	1,337.57
Jack Pine	1,333	4,696.59	187.86
All Spruce	38	276.99	13.85
Hardwoods	7,788	45,617.26	1,285.49

6,471.34

Total	16,571	112,267.78	6,471.34
Long Timber	159	4,370.97	321.90
	56	1,601.78	112.12
	26	915.36	46.57
	218	1,071.86	33.08
Total	459	7,959.97	513.67

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

PARRY SOUND Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs MBM	White Pine	11,877	714.86	111,390.26	10,598.23
	Red Pine	1,207	58.83	9,221.20	748.59
	All Spruce	8,047	496.40	75,319.29	4,734.85
	Hemlock	367	26.65	3,922.74	135.56
	Balsam	112	4.31	698.77	25.07
	Cedar	3	.19	27.88	.67
	Maple	96,557	7,733.69	1,145,928.48	77,704.85
	Yellow Birch	46,449	3,760.59	546,526.82	65,199.81
	White Birch	1,148	56.76	9,819.17	399.77
	Oak	552	50.73	8,569.86	510.20
	Beech	1,163	104.69	15,955.03	861.73
	Ash	537	33.33	5,259.43	321.87
	Elm	3,334	328.83	50,373.84	2,933.91
	Basswood	5,203	346.18	57,536.24	4,890.89
	Black Cherry	1,150	79.47	11,541.61	539.28
	Poplar	219	14.71	2,440.56	65.27
	Total	177,925	13,810.22	2,054,531.18	169,659.55
Total Logs, Long Timbers					
		194,955	134,037.97	2,174,758.93	176,594.56
MISCELLANEOUS					
Posts					
Poker Poles	Cedar	288	2,786.00 Lin. Ft.	557.20	55.72
	Hardwoods		1,515.56 Cords	128,822.60	1,515.56
Total		288		129,379.80	1,571.28
GRAND TOTAL			4,301.56	2,642,693.78	183,394.89

Number of District Cutting Licences issued and included in above - 146

PEMBROKE

CORDAGE				
Pulpwood Rough	White Pine	266.89	22,685.65	523.62
	Red Pine .....	.24	20.40	1.44
	Jack Pine	813.15	69,117.78	1,824.25
	All Spruce	229.03	19,467.55	766.04
	Hemlock .....	.93	79.05	1.40
	Balsam	110.81	9,418.85	290.94
	Maple	51.30	4,360.50	307.80
	White Birch	528.13	44,891.05	771.99
	Poplar	2,683.58	218,104.30	2,947.17
Total		4,684.06	398,145.13	7,434.65
Pulpwood Peeled				
	Poplar	233.87	23,387.00	140.33
Total		233.87	23,387.00	140.33
Fuelwood				
	Conifers	10.00	850.00	5.00
	Hardwoods	132.00	11,220.00	71.00
Total		142.00	12,070.00	76.00
Total Cordage		5,059.93	433,602.13	7,650.98
LOGS, LONG TIMBERS				
Pulp Logs	White Pine	345,430	550,225.44	9,078.76
	Jack Pine	2,661	6,045.21	142.07
	All Spruce	67,926	121,196.15	4,553.86
	Balsam	52,194	68,043.40	2,147.36
	Conifers	5,900	13,070.20	226.55
	Hardwoods	1,435	11,073.10	66.44
Total		475,546	769,653.50	16,215.04
Sawlogs (Cu. Ft.)				
	Hardwoods	10,942	88,879.41	4,621.73
Total		10,942	88,879.41	4,621.73

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

PEMBROKE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Long Timber	Red Pine	17,436	358,235.78	358,335.78	43,885.64
	Jack Pine	442	8,810.59	8,810.59	1,190.18
	All Spruce	66	2,050.12	2,050.12	151.84
	Hemlock	1,366	45,981.75	45,981.75	2,644.99
	Conifers	200	3,028.34	3,028.34	257.48
Total		19,510	418,106.58	418,106.58	48,130.13
Sawlogs MBM	White Pine	330,890	19,367.45	2,908,068.50	244,731.18
	Red Pine	69,616	3,006.40	470,648.16	34,385.52
	Jack Pine	3,098	102.23	16,722.33	964.12
	All Spruce	47,112	2,751.10	413,152.99	24,577.92
	Hemlock	69,457	5,344.05	771,186.15	21,426.25
	Balsam	560	17.31	2,841.38	119.01
	Cedar	512	17.67	2,811.35	63.94
	Tamarack	55	2.24	352.57	11.07
	Maple	110,353	9,147.82	1,315,048.71	57,725.16
	Yellow Birch	71,998	5,898.37	837,611.66	73,245.01
	White Birch	31,372	1,475.60	224,442.69	5,809.67
	Oak	13,029	673.77	102,192.11	5,153.62
	Beech	3,783	265.79	38,921.51	692.48
	Ash	616	46.07	6,693.75	322.31
	Elm	747	88.79	12,313.63	573.54
	Basswood	8,483	537.67	79,417.78	4,454.81
	Black Cherry	187	16.55	2,367.91	100.02
	Poplar	47,688	2,525.96	389,491.01	7,710.65
Total		809,556	51,284.84	7,594,284.19	482,066.28
Total Logs, Long Timbers		1,315,554	1,327,924.33	8,870,923.68	551,033.18
WEIGHT MEASURE	Hardwoods		3,633,190.60	6,066,535.12	36,607.03
			3,633,190.60	6,066,535.12	36,607.03
Total					

PEMBROKE Cont'd.

MISCELLANEOUS Posts	84	665.28 Lin. Ft.	134.40	6.65
Cedar	84	665.28	134.40	6.65
Total				
GRAND TOTAL		15,371,195.33		595,297.84

Number of District Cutting Licences issued and included in above - 56

SAULT STE. MARIE

CORDAGE Pulpwood Rough	White Pine	966.73	82,172.05	2,564.49
	Red Pine	3,291.17	279,749.45	8,263.69
	Jack Pine	2,834.70	240,949.50	7,086.76
	Scots Pine	164.95	14,020.75	247.42
	All Spruce	13,429.34	1,141,493.90	39,051.30
	Hemlock	3,702.53	314,715.05	5,599.44
	Balsam	5,138.91	436,807.35	7,509.02
	Cedar	7.19	611.15	10.79
	Tamarack .....	.52	44.20	1.30
	Conifers	23.77	2,020.45	57.05
	Maple	1.55	131.75	1.55
	White Birch	9.17	779.45	9.17
	Oak .....	.38	32.30	.38
	Poplar	24.80	2,108.00	24.80
	Hardwoods	491.96	41,816.60	491.96
Total		30,087.67	2,557,451.95	70,919.12
Fuelwood	Conifers	18.31	1,556.35	18.31
	Hardwoods	558.42	47,465.70	558.42
Total		576.73	49,022.05	576.73
Total Cordage		30,664.40	2,606,474.00	71,495.85

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

SAULT STE. MARIE Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
LOGS, LONG TIMBERS Sawlogs (Cu. Ft.)	White Pine	185	3,148.35	3,148.35	251.87
	Red Pine	508	14,643.07	14,643.07	1,171.44
	Jack Pine	482	5,149.80	5,149.80	308.98
	All Spruce	188	1,620.19	1,620.19	97.22
	Balsam		269.60	269.60	10.78
	Cedar	3	875.80	875.80	36.03
	Maple		110.20	110.20	6.61
	Yellow Birch		7.60	7.60	.99
	White Birch		201.30	201.30	16.10
	Oak		139.30	139.30	6.96
	Ash		62.10	62.10	3.10
	Poplar		886.90	886.90	26.61
	Total	1,366	27,114.21	27,114.21	1,936.69
Long Timber	All Spruce	5	141.74	141.74	7.29
Total		5	141.74	141.74	7.29
Sawlogs MBM	White Pine	46,428	6,164.60	867,240.46	67,521.22
	Red Pine	1,207	16.59	13,728.49	1,060.08
	Jack Pine	330	.02	2,869.16	184.21
	All Spruce	10,382	681.32	104,823.06	6,906.50
	Hemlock	2,942	255.90	48,171.06	1,868.65
	Balsam	16	.27	97.99	4.61
	Cedar	167	.26	1,101.62	47.28
	Maple	102,081	6,834.44	1,049,890.26	60,213.30
	Yellow Birch	170,717	12,171.96	1,758,171.18	185,065.75
	White Birch	17,299	877.82	130,954.20	6,248.93
	Oak	1,292	140.84	21,717.54	1,283.55
	Ash	65	4.75	761.59	38.87
	Elm	1,961	212.29	29,737.84	1,609.68
	Poplar	993	4.71	7,180.48	192.96
Total		355,880	27,365.77	4,036,444.93	332,245.59
Total Logs, Long Timbers		357,251	54,621.72	4,063,700.88	334,189.57

SAULT STE. MARIE Cont'd.

WEIGHT MEASURE				
	All Spruce	2,273.00	3,788.33	143.20
	Hemlock	13,161.20	21,935.36	394.84
	Conifers	45,767.60	76,279.31	3,661.40
	Hardwoods	710,603.54	1,184,325.40	14,212.02
Total		771,805.34	1,286,328.40	18,411.46
MISCELLANEOUS				
Christmas Trees	All Spruce	25	12.50	5.00
Posts	Cedar	247	332.20	33.72
Total		272	344.70	38.72
GRAND TOTAL			7,956,847.98	424,135.60

Number of District Cutting Licences issued and included in above - 119

SIOUX LOOKOUT				
CORDAGE				
Pulpwood Rough				
Red Pine	16.82	1,429.70	51.31	
Jack Pine	32,806.39	2,788,543.15	66,319.87	
All Spruce	80,020.59	6,801,750.15	270,438.05	
Balsam	2,110.09	179,357.65	3,495.50	
Tamarack	1.69	143.65	3.28	
Poplar	16.39	1,393.15	16.39	
Hardwoods	1.33	113.05	.67	
Total	114,973.30	9,772,730.50	340,325.07	
Fuelwood				
Jack Pine	994.79	84,557.15	497.45	
Conifers	145.00	12,325.00	130.00	
Total	1,139.79	96,882.15	627.45	
Total Cordage	116,113.09	9,869,612.65	340,952.52	

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

SIoux LOOKOUT Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
LOGS, LONG TIMBERS					
Pulp Logs	White Pine	760	18,496.60	18,496.60	643.69
	Red Pine	240	3,727.60	3,727.60	129.72
	Jack Pine	150,460	648,243.80	648,243.80	16,011.60
	All Spruce	620,700	1,625,314.80	1,625,314.80	56,561.00
	Balsam	1,200	4,506.80	4,506.80	79.78
Total		773,360	2,300,289.60	2,300,289.60	73,425.79
Sawlogs (Cu. Ft.)					
Sawlogs MBM	White Pine	8	327.00	327.00	14.39
	Red Pine	214	2,642.23	2,642.23	87.61
	Jack Pine	15,712	137,783.77	137,783.77	3,306.32
	All Spruce	49,657	302,554.08	302,554.08	11,578.84
	Balsam	825	5,347.00	5,347.00	108.94
	Cedar	705	1,198.10	1,198.10	36.94
	Poplar	54	829.98	829.98	7.53
	Total	67,175	450,682.16	450,682.16	15,140.57
Sawlogs MBM	Red Pine	69	3.08	481.14	30.08
	Jack Pine	42,975	1,292.14	213,574.41	5,815.72
	All Spruce	53,279	1,344.96	229,088.47	7,531.86
	Balsam	1,330	29.77	5,195.32	134.37
Total		97,653	2,669.95	448,339.34	13,512.75
Total Logs, Long Timbers		938,188	2,753,641.71	3,199,311.10	102,079.11
TREE LENGTH MATERIAL					
Total	Jack Pine	990,101	9,010,151.65	9,010,151.65	219,992.06
	All Spruce	1,567,328	8,858,533.82	8,858,533.82	304,022.07
	Balsam	29,852	205,471.29	205,471.29	3,678.99
Total		2,587,281	18,074,156.76	18,074,156.76	527,693.12
GRAND TOTAL				31,143,080.51	970,724.75

Number of District Cutting Licences issued and included in above - 104

SUDBURY

CORDAGE

Pulpwood Rough

White Pine	3,592.53	305,365.05	8,745.54
Red Pine	1,829.97	155,547.45	4,230.35
Jack Pine	38,071.48	3,236,075.80	85,567.93
All Spruce	2,276.86	193,533.10	7,518.29
Hemlock	510.34	43,378.90	1,268.67
Balsam	1,045.50	88,867.50	2,935.94
Maple	16.22	1,378.70	20.28
Yellow Birch	6.50	552.50	6.67
White Birch	984.10	83,648.50	910.96
Poplar	1,860.47	158,139.95	1,413.98
Hardwoods	5,802.11	493,179.35	6,015.72
Total	55,996.08	4,759,666.80	118,634.33

Total

Fuelwood

Hardwoods	524.00	44,540.00	524.00
Total	524.00	44,540.00	524.00

Total Cordage

	56,520.08	4,804,206.80	119,158.33
--	-----------	--------------	------------

LOGS, LONG TIMBERS

Sawlogs (Cu. Ft.)

White Pine	67,639	838,529.48	51,434.34
Red Pine	72,974	599,248.02	39,143.67
Jack Pine	259,793	1,289,641.40	46,804.36
All Spruce	38,555	321,445.69	17,024.17
Balsam	619.23	619.23	24.77
Cedar	2,887.41	2,887.41	115.51
White Birch	41	505.52	24.49
Poplar	41	6,320.10	189.60
Total	439,002	3,059,196.85	154,760.91

Total

Long Timber

Red Pine	3,063	80,045.30	5,340.70
Jack Pine	242	6,186.68	385.68
Total	3,305	86,231.98	5,726.38

Total

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

SUDBURY Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs MBM	White Pine	68	13.62	1,841.77	132.80
	Jack Pine	7,245	211.41	35,090.02	845.64
	All Spruce	9,230	203.56	35,488.61	1,424.92
	Hemlock	130	6.50	956.12	45.50
	Maple .....		.26	48.97	3.14
	Yellow Birch	80	20.09	3,537.69	401.60
	White Birch		26.88	5,024.49	403.27
Total		16,753	482.32	81,987.67	3,256.87
Veneer Logs MBM	White Birch	41	2.38	340.19	47.60
Total		41	2.38	340.19	47.60
Total Logs, Long Timbers		459,101	3,145,913.53	3,227,756.69	163,791.76
WEIGHT MEASURE					
Total	Hardwoods		110,020.70	183,367.42	2,256.86
			110,020.70	183,367.42	2,256.86
MISCELLANEOUS Posts	Cedar		3,348.00 Lin. Ft.	669.60	66.96
Total			3,348.00	669.60	66.96
GRAND TOTAL				8,216,000.51	285,273.91

Number of District Cutting Licences issued and included in above - 175

SWASTIKA

CORDAGE					
Pulpwood Rough	Jack Pine	20,400.28	1,734,023.80	42,945.78	
	All Spruce	39,108.67	2,774,236.95	130,010.09	
	Balsam	7,118.24	605,050.40	13,951.81	
	Cedar	2.50	212.50	5.00	
	Tamarack	31.01	2,635.85	59.65	
	White Birch	848.25	72,101.25	636.19	
	Poplar	186.18	15,825.30	145.87	
Total		67,695.13	5,204,086.05	187,754.39	
Pulpwood Peeled					
	Jack Pine	48.11	4,811.00	117.86	
	All Spruce	510.53	48,075.50	1,978.48	
	Balsam	63.74	5,424.35	143.19	
	Poplar	1,626.35	139,417.85	1,362.76	
Total		2,248.73	197,728.70	3,602.29	
Veneer Bolts					
	Poplar	27.91	2,372.35	41.86	
Total		27.91	2,372.35	41.86	
Fuelwood					
	Conifers	425.00	36,175.00	215.00	
	Hardwoods	591.00	52,360.00	149.01	
Total		1,016.00	88,535.00	364.01	
Total Cordage					
		70,987.77	5,492,722.10	191,762.55	
LOGS, LONG TIMBERS					
Pulp Logs	Jack Pine	50	267.90	6.30	
	All Spruce	106,719	385,533.62	13,647.86	
	Balsam	139,000	446,684.77	7,906.25	
	Tamarack	20	102.10	2.41	
Total		245,789	832,588.39	21,562.82	

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

SWASTIKA Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Sawlogs (Cu. Ft.)	White Pine	2,291	19,346.35	19,346.35	1,040.70
	Jack Pine	247,122	1,146,920.25	1,146,920.25	58,485.92
	All Spruce	172,426	849,728.98	849,728.98	35,107.27
	Balsam	27,919	118,084.09	118,084.09	2,363.97
	Tamarack	597	3,670.85	3,670.85	100.93
	Yellow Birch	3,005	15,410.60	15,410.60	110.98
	White Birch	35,631	162,565.46	162,565.46	1,941.88
	Poplar	175,154	1,090,557.40	1,090,557.40	15,239.92
	Total	664,145	3,405,783.98	3,405,783.98	114,391.57
Long Timber	Jack Pine	430	7,387.86	7,387.86	583.63
	Total	430	7,387.86	7,387.86	583.63
Sawlogs MBM	White Pine	1,526	71.48	1,878.40	1,070.54
	Red Pine	133	9.78	164.23	316.28
Total		1,659	81.26	2,042.63	1,386.82
Total Logs, Long Timbers		912,023	4,245,841.49	4,247,802.86	137,924.84
TREE LENGTH MATERIAL					
	Jack Pine	428,549	5,863,734.87	5,863,734.87	191,096.35
	All Spruce	230,110	2,090,375.83	2,090,375.83	75,718.46
	Balsam	12,642	85,221.10	85,221.10	1,494.70
Total		671,301	8,039,331.80	8,039,331.80	268,309.51

SWASTIKA Cont'd.

MISCELLANEOUS					
Mining Timbers	2,634	5,340.29	5,340.29		125.51
Jack Pine	6,653	12,597.91	12,597.91		453.54
All Spruce	21	46.44	46.44		1.28
Tamarack					
Posts	5,151	42,087.00	42,087.00	Lin. Ft.	420.78
Total	14,459	60,071.64	17,176.03		1,001.11
GRAND TOTAL			17,807,032.79		598,998.01

Number of District Cutting Licences issued and included in above - 295

THUNDER BAY

CORDAGE					
Pulpwood Rough	White Pine	39.94	3,394.90		101.98
	Red Pine	1.21	102.85		2.89
	Jack Pine	48,360.39	4,110,633.15		110,256.44
	All Spruce	83,495.52	7,097,119.20		283,893.98
	Balsam	3,575.20	303,892.00		8,008.65
	Cedar	21.32	1,812.20		44.64
	Tamarack	2.34	198.90		3.99
	White Birch	1,961.31	166,711.35		3,042.45
	Poplar	3,622.83	307,940.55		3,163.16
Total		141,080.06	11,991,805.10		408,518.18
Pulpwood Peeled	White Birch	768.92	68,746.40		844.41
	Poplar	22,411.11	1,970,919.75		25,567.15
Total		23,180.03	2,039,666.15		26,411.56
Veneer Bolts	All Spruce	784.20	66,657.00		2,823.11
	White Birch	1,670.97	142,032.45		1,278.52
	Poplar	9,042.88	768,644.80		7,992.70
Total		11,498.05	977,334.25		12,094.33

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

THUNDER BAY Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Fuelwood	Hardwoods		185.00	15,725.00	185.00
Total			185.00	15,725.00	185.00
Total Cordage			175,943.14	15,024,530.50	447,209.07
LOGS, LONG TIMBERS					
Pulp Logs	Jack Pine	23,920	34,248.80	34,248.80	845.95
	All Spruce	234,330	330,948.00	330,948.00	11,881.03
	Balsam	12,130	19,513.00	19,513.00	333.69
Total		270,380	384,709.80	384,709.80	13,060.67
Sawlogs (Cu. Ft.)	White Pine	2,066	31,971.97	31,971.97	1,931.74
	Red Pine	68	1,055.79	1,055.79	55.12
	Jack Pine	114,794	844,846.54	844,846.54	24,065.17
	All Spruce	43,484	422,469.96	422,469.96	18,717.36
	Balsam	177	1,322.90	1,322.90	33.63
	White Birch	2,715	39,408.82	39,408.82	349.34
	Poplar	682	4,983.70	4,983.70	86.97
Total		163,986	1,346,059.68	1,346,059.68	45,239.33
Long Timber	White Pine	227	2,941.98	2,941.98	139.45
	Red Pine	6	56.14	56.14	1.85
	Jack Pine	1,347	7,458.38	7,458.38	246.43
	All Spruce	3,877	40,447.92	40,447.92	1,928.60
	Balsam	285	1,535.96	1,535.96	40.47
	Poplar	610	2,753.37	2,753.37	40.68
Total		6,352	55,193.75	55,193.75	2,387.48
Total Logs, Long Timbers		440,718	1,785,963.23	1,785,963.23	60,687.48

THUNDER BAY Cont'd.

TREE LENGTH MATERIAL

White Pine	77	2,580.54	2,580.54	149.69
Red Pine	8	262.64	262.64	15.50
Jack Pine	1,091,362	12,832,527.07	12,832,527.07	320,268.00
All Spruce	3,929,744	25,785,130.10	25,785,130.10	965,178.32
Balsam	129,114	1,009,773.14	1,009,773.14	20,182.83
Tamarack	238	1,276.99	1,276.99	25.84
White Birch	183	2,138.46	2,138.46	51.06
Poplar	7,123	124,754.21	124,754.21	1,243.35
Total	5,157,829	39,758,443.15	39,758,443.15	1,307,114.29
MISCELLANEOUS				
Christmas Trees	3,390	3,390.00	3,390.00	169.50
Total	3,390	3,390.00	3,390.00	169.50
GRAND TOTAL			56,572,326.88	1,815,180.34

Number of District Cutting Licences issued and included in above - 226

TWEED

CORDAGE
Pulpwood Rough

White Pine	57.17	4,859.45	82.23
Red Pine	1.45	123.25	2.18
Pine - all	10.10	858.50	14.14
All Spruce	508.92	43,258.20	1,859.30
Balsam	1,197.18	101,760.30	4,136.91
Cedar	228.12	19,390.20	433.27
Hardwoods	3,462.20	294,287.00	6,454.50
Total	5,465.14	464,536.90	12,982.53

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

TWEED Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
Pulpwood Peeled	All Spruce		1.01	101.00	3.54
	Hemlock		11.80	1,180.00	20.65
	Balsam		60.99	6,099.00	106.73
	Hardwoods		465.99	46,599.00	396.10
Total			539.79	53,979.00	527.02
Fuelwood	Hardwoods		94.60	8,041.00	70.15
Total			94.60	8,041.00	70.15
Total Cordage			6,099.53	526,556.90	13,579.70
LOGS, LONG TIMBERS					
Sawlogs (Cu. Ft.)					
	White Pine	1,212	13,567.45	13,567.45	699.42
	Red Pine	193	2,772.47	2,772.47	167.50
	Pine - all	3,515	12,831.21	12,831.21	423.42
	All Spruce	459	3,913.57	3,913.57	239.06
	Hemlock	1,267	22,972.94	22,972.94	412.91
	Balsam	48	1,528.51	1,528.51	38.47
	Cedar	1,789	3,829.10	3,829.10	166.96
	Maple		3,394.00	3,394.00	217.76
	Yellow Birch		246.00	246.00	19.66
	White Birch		1,990.00	1,990.00	76.58
	Oak		1,845.00	1,845.00	108.81
	Beech		463.00	463.00	13.90
	Ash		568.00	568.00	28.39
	Elm		51.00	51.00	2.55
	Basswood		2,411.00	2,411.00	192.90
	Poplar		10,887.00	10,887.00	317.21
	Hardwoods	7,573	56,549.04	56,549.04	536.87
Total		16,056	139,819.29	139,819.29	3,662.37

THE END Cont'd.

Long Timber	11	415.47	32.98
White Pine	11	415.47	32.98
Red Pine	19	423.47	29.10
All Spruce	58	875.29	57.17
Balsam	31	274.24	12.28
Cedar	7	80.40	3.27
Total	126	2,068.87	134.80
Sawlogs MBM			
White Pine	34,384	1,875.49	31,377.25
Red Pine	11,594	485.46	6,677.23
All Spruce	11,943	500.76	9,444.77
Hemlock	2,581	143.22	1,181.96
Balsam	3,133	75.58	1,374.51
Cedar	2,172	51.03	620.40
Tamarack	59	2.27	12.88
Maple	40,176	2,219.79	33,977.10
Yellow Birch	3,103	24,953.41	2,815.64
White Birch	8,066	278.41	4,000.86
Oak	12,130	431.79	6,506.62
Beech	11,860	628.70	3,952.84
Ash	774	49,113.08	306.52
Elm	1,209	13,456.86	927.42
Basswood	11,338	85,535.29	8,062.07
Butternut	15	172.71	9.24
Black Cherry	59	357.00	30.49
Poplar	17,767	151,109.11	7,576.68
Total	172,363	1,411,679.51	118,854.18
Total Logs, Long Timbers	188,545	1,553,567.67	122,651.35
WEIGHT MEASURE			
Hemlock		148,106.40	2,720.50
Balsam		13,744.84	1,099.83
Hardwoods		2,499,606.76	62,045.27
Total		2,661,458.00	65,865.60

SUMMARY OF VOLUME AND VALUE OF TIMBER CUT ON CROWN LAND, 1970-71

TWEED Cont'd.

Class	Species	PCS.	Volume	Equivalent Cubic Feet	Stumpage \$
MISCELLANEOUS Posts	Cedar	167	13.05	48.43	1.67
	Pine all		12,877.92 Lin. Ft.	272.00	128.76
	Cedar	14,731	108,185.00	21,637.00	1,081.85
	Total	14,898	111,195.97	21,957.43	1,212.28
GRAND TOTAL				4,763,540.00	203,308.93

Number of District Cutting Licences issued and included in above - 224

WHITE RIVER Pulpwood Rough

Pulpwood Rough	Jack Pine		517.46	43,984.10	1,311.05
	All Spruce		6,033.90	512,883.83	17,513.14
	Balsam		23.52	1,999.20	50.86
	White Birch		78.77	6,695.45	78.77
	Poplar		243.03	20,657.55	243.03
Total			6,896.68	586,220.13	19,196.85
Pulpwood Peeled	Jack Pine		13,942.33	1,394,233.00	34,188.72
	All Spruce		32,251.03	3,225,103.00	127,553.91
	Balsam		6,844.47	684,447.00	14,715.61
Total			53,037.83	5,303,783.00	171,428.24
Veneer Bolts	White Birch		275.56	23,422.79	702.68
Total			275.56	23,422.79	702.68

WHITE RIVER Cont'd.

Fue wood	Conifers	20.00	1,700.00	20.00
	Hardwoods	42.50	3,615.00	48.50
Total		62.50	5,315.00	68.50
Total Cordage		60,272.57	5,918,740.92	191,396.27
LAGS, LONG TIMBERS				
Sawlogs (Cu. Ft.)	Jack Pine	63,775.68	63,775.68	1,951.98
	All Spruce	14,503.62	14,503.62	642.77
	White Birch	809.16	809.16	24.28
	Poplar	2,783.13	2,783.13	41.97
Total		81,871.59	81,871.59	2,661.00
Veneer Logs	White Birch	24,121.93	24,121.93	723.65
Total		24,121.93	24,121.93	723.65
Sawlogs MBM	White Pine	343.09	46,345.76	4,207.46
	All Spruce	75.08	11,017.82	874.40
	Maple	498.33	72,701.03	3,737.79
	Yellow Birch	2,667.09	378,482.08	37,339.26
	White Birch	235.15	34,386.48	974.60
	Elm	2.28	39.10	2.10
Total		3,819.04	542,972.27	47,135.61
Total Logs, Long Timbers		109,812.56	648,965.79	50,520.36
TREE LENGTH MATERIAL				
	Jack Pine	4,283,705.25	4,283,705.25	117,691.31
	All Spruce	4,388,512.07	4,388,512.07	154,143.66
Total		8,672,217.32	8,672,217.32	271,834.97
GRAND TOTAL		15,239,924.03		513,751.50

Number of District Cutting Licences issued and included in above - 23

TIMBER LICENCES as of March 31st (Areas in square miles)

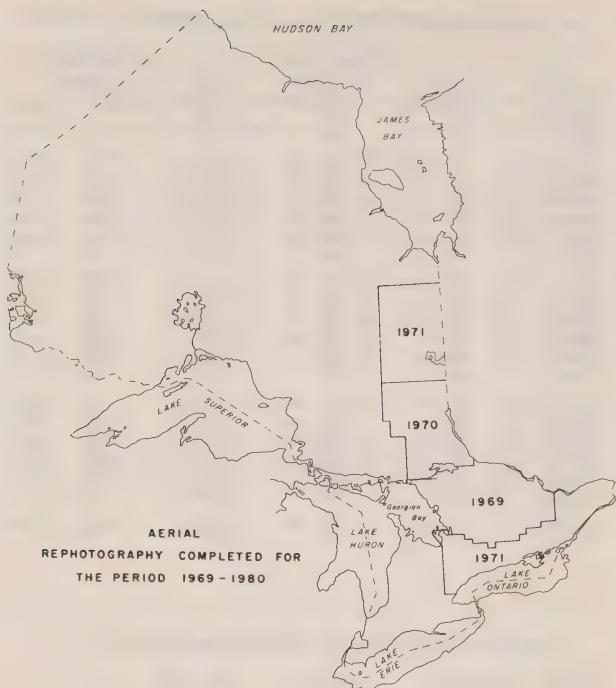
Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 5	Total Area Licensed
1956	748	6,140.05	88,273.71	170.26	94,585.02
1957	604	5,600.65	89,952.49	200.94	95,754.08
1958	586	5,354.80	98,149.46	181.33	103,685.59
1959	569	4,520.62	99,612.16	199.90	104,332.68
1960	573	4,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102,888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581	3,102.08	97,830.82	152.36	101,085.26
1964	562	2,556.89	99,679.49	18.20	102,254.58
1965	590	2,564.98	103,347.49	4.90	105,917.37
1966	533	2,466.68	100,362.79	1.20	102,830.67
1967	535	2,006.5	104,269.9	.....	106,276.4
1968	498	1,704.2	104,134.6	74.0	105,912.8
1969	480	1,664.7	101,924.3	74.0	103,663.0
1970	460	1,497.6	98,661.9	115.8	100,275.3
1971	414	302.7	95,201.3	142.2	95,646.2

MANAGEMENT UNITS as of March 31st

Year	Crown	CROWN LAND Company	Total	AGREEMENT FOREST
1954	87	36	123	..
1955	81	36	117	..
1956	82	39	121	..
1957	80	41	121	..
1958	81	43	124	..
1959	77	48	125	..
1960	72	101	173	42
1961	76	79	155	42
1962	78	79	157	42
1963	79	77	156	42
1964	81	75	156	46
1965	81	71	152	59
1966	78	67	145	60
1967	78	66	144	60
1968	77	66	143	60
1969	77	57	134	60
1970	79	57	136	60
1971	87	57	144	60

AREAS OF MANAGEMENT UNITS in Square Miles

1957	129,551	78,837	208,388	...
1958	125,397	85,034	210,431	...
1959	.....	.....	.....	...
1960	83,295	100,408	183,703	224
1961	83,900	96,983	180,883	230
1962	84,108	99,987	184,095	234
1963	85,216	97,342	182,558	244
1964	.....	.....	.....	245
1965	88,214.7	100,476.4	188,691.1	280.1
1966	89,122.1	97,726.0	186,848.1	315.2
1967	90,665.0	99,342.9	190,007.9	328.8
1968	91,987.0	99,351.0	191,338.0	339.6
1969	93,052.0	93,126.0	186,178.0	350.0
1970	94,644.0	93,613.0	188,257.0	360.0
1971	102,738.0	89,985.0	192,723.0	360.0



An up-to-date record of the condition of our forests is an essential part of management planning. Aerial photography has become an increasingly important source of such data since its beginning here in 1926. During the 1946-1956 decade, almost the entire province was photographed, and a forest resources inventory was issued in 1958.

***PRIMARY GROWING STOCK in 000's Cubic Feet**

Cubic-foot volumes of primary growing stock on productive forest land in Ontario by species and in two size classes.

Species	4"-9" d. b. h.	10" up d. b. h.	Total
White pine.....	759,884	3,136,869	3,896,753
Red pine	262,259	859,182	1,121,441
Jack pine.....	13,637,962	6,486,599	20,124,561
Pitch pine	90	132	222
White spruce.....	2,844,250	5,054,764	7,899,014
Black spruce.....	38,609,370	5,656,094	44,265,464
Balsam fir.....	7,548,699	1,875,756	9,424,455
Hemlock	349,745	1,059,874	1,409,619
White cedar.....	1,413,148	1,605,967	3,019,115
Red cedar.....	1,638	545	2,183
Larch.....	177,764	25,025	202,789
Total Conifers	65,604,809	25,760,807	91,365,616
Sugar maple	1,917,892	4,488,726	6,406,618
Soft maple.....	460,542	405,293	865,535
Yellow birch.....	503,134	3,682,764	4,185,898
Beech.....	183,503	446,277	629,780
Elm	346,282	723,814	1,070,096
Ironwood	172,359	22,294	194,653
Red oak	228,796	240,059	468,855
White oak.....	21,837	34,385	56,222
White birch.....	10,026,642	6,188,709	16,215,351
Poplar	13,709,143	14,373,889	28,083,032
Ash	351,292	268,479	619,771
Basswood.....	102,957	279,049	382,006
Black cherry.....	59,881	28,637	88,518
Butternut.....	1,388	3,601	4,989
Hickory	24,375	15,342	39,717
Other hardwoods	5,024	1,476	6,500
Total Hardwoods ...	28,115,047	31,202,794	59,317,841
TOTAL ALL SPECIES .	93,719,856	56,963,601	150,683,457

*The Forest Resources of Ontario by R.M. Dixon, 1963

***ANNUAL ALLOWABLE CUT in 000's Cubic Feet**

Volumes of the annual allowable cut on productive forest land in Ontario by species and ownership groups.

Species	Crown land	Patented land	Total
White pine.....	32,254	13,737	45,991
Red pine.....	13,871	3,216	17,087
Jack pine.....	413,427	16,332	429,759
Pitch pine.....	.....	6	6
White spruce.....	105,027	12,711	117,738
Black spruce.....	551,794	21,943	573,737
Balsam fir.....	139,345	19,912	159,257
Hemlock.....	5,031	5,430	10,461
Cedar.....	15,893	12,687	28,580
Larch.....	2,459	849	3,308
Total Conifers	1,279,101	106,823	1,385,924
Sugar maple.....	30,476	42,957	73,433
Soft maple.....	1,725	26,825	28,550
Yellow birch.....	37,858	12,534	50,392
Beech.....	1,687	4,611	6,298
Elm.....	675	16,606	17,281
Ironwood.....	573	1,984	2,557
Red oak.....	149	4,950	5,099
White oak.....	6	673	679
White birch.....	263,626	31,863	295,489
Poplar.....	702,313	140,798	843,111
Ash.....	1,774	6,638	8,412
Basswood.....	1,489	7,973	9,462
Black cherry.....	115	1,102	1,217
Butternut.....	.....	92	92
Hickory.....	6	729	735
Other hardwoods.....	1,720	91	1,811
Total Hardwoods ...	1,044,192	300,426	1,344,618
TOTAL ALL SPECIES .	2,323,293	407,249	2,730,542

*The Forest Resources of Ontario by R.M. Dixon, 1963

COMMITTEES

COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

COMMERCIAL FISH AND FUR BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Canada Fur Council
Canadian Association for Humane Trapping
Canadian Federation of Hunters and Anglers
Federal-Provincial Comm on Ontario Fisheries
Federal-Provincial Coordinating Comm on Indians
Federal-Provincial Wildlife Conference
Fisheries Council of Canada
Freshwater Fisheries Marketing Corporation
Georgian Bay Fisheries Comm
International Great Lakes Fishery Commission
 Executive Comm
 Lake Comms
Ontario Council of Commercial Fisheries
Ontario Trapper's Association
Sea Lamprey Control and Research Comm
Wild Rice Management Comm

ENVIRONMENTAL PROTECTION BRANCH

Advisory Comm on Pollution Control - - - Sub-Comm on
 Pesticides, Herbicides and Fertilizers
Air Pollution Control Association
Air Transport Association of Canada
Canadian Institute of Forestry - - - Youth Training, Fire Control
Canadian Standards Association - - - Comm on Fire Hose
 Couplings
Conservation Business Management Association
Entomological Society of Canada
National Association of Fleet Administration
National Fire Protection Association - - - Forests Comm
National Research Council - - - Associate Comm on Forest Fire
 Protection
North American Forestry Commission - - - Fire Control Working
 Group
Ontario Forestry Association - - - Forest Fire Prevention Comm
Ontario Professional Foresters Association
Ontario Shade Tree Council
Western Forestry and Conservation Association

LANDS AND WATERS BRANCH

Administrative sub-committee on Townsites
Canada Land Inventory Co-ordinating sub-committee
Co-ordinating Committee on studies of Northern Ontario
Water Resources (Ontario-Canada)
Federal-Provincial Rideau-Trent-Severn Study Committee
International Great Lakes Levels Board - shore property sub-
 committee
National Advisory Committee on Recreational Land Inventory
Private Lands Liaison Committee
Public Agricultural Lands Committee
Waterfront Technical Committee (under Metropolitan Toronto).

LEGAL SERVICES BRANCH

Fed-Prov Advisory Comm on Resources Management

PARKS AND RECREATION AREAS BRANCH

Advisory Comm on Algonquin Park
Advisory Comm on Bronte Creek Park
Advisory Comm on Nature Reserves
Advisory Comm on Quetice Park
Canada-Ontario Rideau-Trent-Severn Study
Fed-Prov Parks Conference
Federation of Ontario Naturalists
Interdepartmental Master Tourism and Outdoor Recreation Plan
Comm
Intergovernmental Comm on Recreation and Wildlife (C. C. R. M.)
Ontario Forestry Assn - - - Forest Fires Prevention Comm
Quetico-Superior Joint Advisory Comm
Water Resources Liaison Comm

RESEARCH BRANCH

Advisory Committee on Nature Reserves
Canada-Ontario Joint Forestry Research Committee
Canadian Institute of Forestry - Editor Forestry Chronicle
Canada-USSR Working Group on Forest Based Industries (ex officio)
Canadian Botanical Association - Roster of Environmental Consultants
Forestry Alumni Association - University of Toronto
Forest Tree Breeding in Canada
Industrial Chemistry Advisory Comm of Cambrian College of Applied Arts and Technology
Interprovincial Forest Fertilization Programme - Technical Committee
International Union Forest Research Organization
Management of Tolerant Hardwoods in Algonquin Park
Northeastern Forest Tree Improvement Committee
Ontario Ornamentals Research Committee -
Sub Committee - Plant Breeding, Testing, Introduction and Hardiness Zonation
Ontario Professional Foresters Association - Education and Finance Committee
Poplar Council of North America - Executive Committee
Genetics Improvement Committee
Poplar Improvement of the International Poplar Commission of F.A.O. - ad hoc
Productivity of Terrestrial Communities (P.T.) - Northern Coniferous Forests Section - International Biological Programme
Reclamation of Sulphur Damaged Lands in the Sudbury Area
Sudbury Task Force on Environment

RESOURCE ECONOMICS BRANCH

Federal-Provincial Comm on Forestry and Forest Products Statistics
Government of Ontario Census Data Users' Comm

SERVICES BRANCH

American Association for Conservation Information
Canada Safety Council
Canadian Association of Provincial Hunter Training Officers
Canadian Government Specifications Board Comm on Lifejackets
Canadian Society of Safety Engineering
Conservation Business Management Association
Corporate Communicators
Equipment and Supply Comm
International Association of Game, Fish and Conservation
Commissioners
International Rescue and First Aid Association
National News Week (Toronto Men's Press Club)
North-East Fish and Wildlife Association - - - Information and
Education Section
Ontario Government Purchasing Officers Council
Ontario Safety Council
Outdoor Writers of Canada
Purchasing Management Assoc of Canada
Standards and Specifications Comm on Furniture and Furnishings
Uniform Standards and Specifications Comm

SPORT FISHERIES BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm on Pollution - - Special Task Forces
American Fisheries Society - - Time and Place Comm
Canada-Ontario Rideau-Trent-Severn Study
Canadian Fish Farmers Association - - Ad hoc Comm
Coordinating Comm for Studies of Northern Ontario Water
Resources
Federal-Provincial Comm on Ontario Fisheries
Georgian Bay Fisheries Comm
International Great Lakes Fishery Commission
- - - Executive Comm
- - - Lake Comms
- - - Sea Lamprey Control and Research Comm
Research Program Comm
Recreation Liaison Comm
Tourism and Outdoor Recreation Plan Study - - Technical
Subcomm

SURVEYS AND ENGINEERING BRANCH

Advisory Committee on Geodesy and Photogrammetry
Advisory Council on Surveying
Association of Ontario Land Surveyors - - - Member of Council
Canadian Advisory Council on Cadastral Surveys
Canadian Permanent Committee on Geographical Names
Co-ordinating Committee on studies of Northern Ontario Water
Resources (Ontario - Canada)
Federal and Provincial Government Survey Officials
Interdepartmental Committee on Uniform Building Standards
International Boundary Commission
International Great Lakes Levels Board - - - Shore Property
Subcommittee
International Hydrological Decade
Interprovincial Boundary Commissions

Lake of the Woods Control Board
Mapping Liaison Committee
Northern Ontario Resources Transportation Committee
Ontario Geographic Names Board
Ontario Water Resources Liaison Committee

TIMBER MANAGEMENT BRANCH

Canada Comm on Forest Tree Breeding
Canada - Ontario Joint Forest Research Comm
- - - Jack Pine Management
- - - Silvicultural Equipment
International Union of Forest Research Organization - -
Reforestation Comm
Interprovincial Comm on Forest Fertilization
Ontario Maple Syrup Producers' Association

TIMBER SALES BRANCH

Canadian Inter-Departmental Comm on Resource - - - Satellite
and Remote Airborne Sensing
Canadian Pulp and Paper Association - - - Forest Management
Interdepartmental Comm on Air Surveys
Photogrammetria - - - Editorial Comm

WILDLIFE BRANCH

Algonquin Park Task Force
Atlantic Flyway Council
Comm for Selective Management of Shrubs on Roadsides
Federal - Provincial Wildlife Conference
- - - Comm on Polar Bear Management and Research
- - - Migratory Birds Technical Comm
Great Lakes Deer Group
Interdepartmental Comm on Wildlife Management and Research
(Conjoint Comm - - - Guelph University, Department of
Agriculture and Department of Lands and Forests)
Interdepartmental Rabies Comm (Federal and Provincial Depart-
ments of Health and Agriculture and Department of Lands and
Forests)
International Association of Game, Fish and Conservation
Commissioners
- - - Executive Comm
- - - Rare and Endangered Species Comm
- - - Resolutions Comm
- - - Migratory Birds Comm
- - - Spec. Membership Comm
International Union of Forestry Research Organizations - - -
Section 26
- - - Recreation and Wildlife - - - Working Group C:
Techniques of Measurement and Inventory
Midwest Fish and Game Comm - - - Resolutions Comm
Midwest Pheasant Council (Association of Midwest Fish and Game
Commissioners)
National Comm on Wildlife Lands
North American Forestry Commission - - - Working Group on
Wildlife and Outdoor Recreation
North American Moose Group
Ontario Waterfowl Research Foundation
- - - Scientific Advisory Board
- - - Technical Advisory Comm

Research Program Comm
Recreation Liaison Comm
Tourism and Outdoor Recreation Plan Study - - - Technical
Subcomm

COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning
Chapleau Area Chamber of Commerce - Committee Member
Ontario Professional Foresters Association

COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Lands Comm
Cochrane Board of Trade
Cochrane Railway and Pioneer Museum Comm
Cochrane, Timmins and Moosonee Planning Boards
Emergency Measures Organization
Mattagami River Valley Conservation Authority
Northeastern Ontario Development Association
Porcupine Chamber of Commerce
Search and Rescue Unit
Timmins Board of Education

FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning
Quetico Park Advisory Comm
Quetico-Superior International Joint Advisory Comm

GERALDTON DISTRICT

Advisory Committee on Recreational Land Use Planning
Advisory Committee to the Lakehead School of Forestry
Associate Committee on Forest Protection, N. R. C. -Research
Sub Committee
Association of Natural Resources Technicians of Ontario
Beardmore Recreational Planning Committee
Canadian Institute of Forestry-Northwestern Ontario Section
Geraldton Industrial Development Committee
Geraldton Planning Board
Geraldton Search and Rescue
MacDiarmid Community Development Corporation
Marathon Conservation School
Ontario Professional Foresters Association

KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Land Use Comm
Brunetville Rehabilitation Liaison Comm
Industrial Development Comm
Kapuskasing Rod and Gun Club
Planning Boards (Kapuskasing and Hearst)

KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont,
Glengarry, Prescott and Russell and Carleton Counties
Catawaqui Region Conservation Authority - Reforestation
Advisory Comm
Conservation Council of Stormont, Dundas and Glengarry
Eastern Ontario Development Council
Eastern Ontario Regional Advisory Board
Gananoque Management Comm
Gananoque River Waterway Association
Interprovincial Conservation Council

Mississippi Valley Conservation Authority
 Ontario Federation of Agriculture (Leeds, Carleton)
 Ontario Federation of Anglers and Hunters - Zone 4
 Ontario Forestry Association - Tree Farm Comms in Glengarry
 and Lanark Counties
 Ottawa Carleton Conservation Centre Inc.
 Raisin River Conservation Authority
 Rideau Valley Conservation Authority
 Reforestation Comm for County Councils of Leeds and Grenville;
 Dundas, Stormont and Glengarry; Prescott and Russell;
 Carleton and Lanark.
 Reforestation Comms for Township Councils of Torbolton,
 Marlborough, Williamsburgh and Cumberland
 Seaway Valley Travel Council
 Soil and Crop Improvement Association --- Land Use Comms for
 Eastern Ontario and for Leeds, Grenville, Glengarry, Russell,
 Stormont and Prescott Counties.
 South Nation Conservation Authority
 St. Lawrence Parks Commission --- Fish and Wildlife Advisory
 Comm.

KENORA DISTRICT

Amik Association --- Advisory Board
 Canadian Institute of Forestry --- Lake of the Woods Section
 Dryden and District Conservation Club
 Dryden High School Conservation Camp --- Advisory Comm.
 Dryden High School Forestry Course --- Advisory Comm.
 Kenora Industrial Development Commission
 Ontario Federation of Anglers and Hunters --- Zone 1
 Ontario Professional Foresters Association
 Recreational Land Use Planning Advisory Comm.

LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board
 Big Creek National Wildlife Area Mgmt Comm
 Catfish Creek Conservation Authority --- Forestry Advisory
 Board
 Grand Valley Conservation Authority --- Reforestation Comm
 Great Lakes Fishery Commission --- Research and Management
 Comm
 Lake Erie Salmonid Sub-Committee
 Lake Erie Research and Management Comm
 Haldimand Agricultural Committee
 Kettle Creek Conservation Authority --- Forestry Advisory Board
 Lake Erie Fisheries Research Advisory Comm
 Lake Erie Regional Advisory Board
 Lake St. Clair Regional Advisory Board
 Lincoln County Reforestation Comm
 Long Point Region Conservation Authority
 --- Fish & Wildlife Advisory Board
 --- Forestry Advisory Board
 Lower Thames River Conservation Authority --- Forestry
 Advisory Board
 Middlesex County Forestry Comm
 Niagara Peninsula Conservation Authority --- Reforestation Comm
 Norfolk County Reforestation Comm
 Ontario Professional Foresters Association --- Private Land
 Forestry Comm

South Ontario Regional Advisory Board
Sydenham Valley Conservation Authority --- Forestry Advisory Board

LAKE HURON DISTRICT

Advisory Comm for Lake Huron Fisheries Research
Ausable Valley Conservation Authority
Big Creek Conservation Authority
Bruce County Outdoor Education Comm
Bruce Trail Assoc
Bruce Peninsula Planning Board
Bruce Peninsula Resort Assoc
Camp Oliver (Department of Reform Institutions)
Canadian Fish Farmers Assoc
Canadian Institute of Forestry --- Southern Ontario Section Council
Canadian Society of Fishery and Wildlife Biologists
East Luther Twp Planning Comm
Georgian Bay Regional Advisory Board
Grand River Conservation Authority
Grey-Bruce Tourist Assoc.
Grey-Owen Sound Planning Board
Guelph University Chapter - Wildlife Society
Hamilton Region Conservation Authority
Huron County Planning Board
Huron County Trappers Assoc
Huron District Woodlot Association
Long Point Region Conservation Authority
Midwestern Ontario Regional Advisory Board
Maitland Conservation Authority
North Grey Conservation Authority
Ontario Council Commercial Fisheries
Ontario Federation of Anglers and Hunters - Zone 6
Ontario Maple Syrup Producers Assoc.
Ontario Professional Foresters Assoc
Otter Creek Conservation Authority
Oxford County Planning Board
Forestry Comms of County Councils in Grey, Bruce, Huron, Oxford, Perth, Waterloo, Wellington, Wentworth, Brant and Halton Counties
Sauble Conservation Authority
Saugeen Conservation Authority
Upper Thames Conservation Authority
Waterloo Area County Planning Board --- Environmental Advisory Comm

LINDSAY DISTRICT

Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board
Crowe River Water Management Comm
Durham and Northumberland Counties --- Reforestation Comm
Ganaraska Region Conservation Authority --- Forestry Advisory Board
Lake Ontario Regional Advisory Board
Ontario Maple Syrup Producers' Assoc
Otonabee Region Conservation Authority --- Reforestation and Land Use Advisory Board; Wildlife Advisory Board

Victoria County --- Reforestation and Soil Conservation Comm;
ARDA Comm
Sir Sanford Fleming College --- Advisory Council

MAPLE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
Bruce Trail Assoc
Central Lake Ontario Conservation Authority --- Land Use, Water
Control and Reforestation Advisory Board
Central Ontario Regional Development Advisory Board
Credit Valley Conservation Authority --- Reforestation and Land
Use Advisory Board
Essa Township Conservation Comm
Ganaraska Trail Assoc
Georgian Bay Regional Development Council --- Land Use, Con-
servation
Grand Valley Conservation Authority --- Land Use, Reforestation,
Conservation
Inter-departmental Comm on Maple Syrup
Lake Simcoe and District Maple Syrup Producers' Association
Metropolitan Toronto and Region Conservation Authority ---
Reforestation and Land Use Advisory Board
Nottawasaga Valley Conservation Authority --- Land Use, Water
Control and Conservation
Reforestation Comms of County Councils in Simcoe, Dufferin,
York and Ontario Counties
Shore Facilities Sub-Committee of the Advisory Committee on
Control of Pollution from Pleasure Craft
South Lake Simcoe Conservation Authority

NORTH BAY DISTRICT

Agricultural Lands Comm
Canadian Institute of Forestry
City of North Bay, Department of Parks and Recreation
Northeastern Ontario Regional Development Council
Ontario Professional Foresters Assoc
Task Force on Water Control on French River, Lake Nipissing,
Sturgeon River System

PARRY SOUND DISTRICT

Agricultural Land Use Comm
Federation of Ontario Naturalists --- Jr. Naturalist Bulletin
Muskoka, Parry Sound and Nipissing Maple Syrup Producers'
Assn
North Georgian Bay Advisory Comm
Parry Sound Anglers and Hunters Association
Peterson Trail Conservation Association
Recreational Land Use Planning Comm (Parry Sound and Muskoka)
Regional Development Board, Ont. Regional Development
Program

PEMBROKE DISTRICT

Advisory Committee on Recreational Land Use Planning
Algonquin College Advisory Comm, Upper Ottawa Valley Campers
Algonquin Park Task Force
County of Renfrew Conservation Comm
Renfrew County ARDA Advisory Comm

SAULT STE. MARIE DISTRICT

Algoma Recreational Development Council
Agricultural Comm
Agricultural Resources Development Assoc
Canadian Institute of Forestry
Eastern Lake Superior Commercial Fishermen's Assoc
Forest Products Accident Prevention Assoc --- Area Comms
4-H Club
Municipal Recreation Boards
Ontario Maple Syrup Producers Assoc
Ontario Professional Foresters Assoc
Recreational Land Use Planning
Sault Ste. Marie Chamber of Commerce Tourist Comm
Sault Ste. Marie Conservation Club
Sault North Planning Area Comm
Sault Ste. Marie Region Conservation Authority
Sawmilling Industries Comm
Y.M.C.A. Canoe Tripping Comm

SIOUX LOOKOUT DISTRICT

Agricultural Lands Comm
Association of Natural Resource Technicians (Ontario)
Canadian Institute of Forestry, Lake of the Woods Section
Co-ordinating Comm on Studies of Northern Ontario Water
Resources
Evacuation Plans -- Sioux Lookout, Ignace, Red Lake
Ontario Professional Foresters Association
Recreational Land Use Planning Comm
Search and Rescue Unit
Sioux Lookout Resource Rangers
Townsite Planning Comm -- Sioux Lookout, Ignace, Ear Falls

SUDBURY DISTRICT

Agricultural Comm
Manitoulin Island Conservation Advisory Comm
Natural Resources Technology Curriculum Comm
Recreational Land Use Planning Comm

SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning
Kirkland Lake Chamber of Commerce --- Member
Parks Comm of Teck Recreational Council
Search and Rescue Unit
Temiskaming and Region Tourist Council -- Member

THUNDER BAY DISTRICT

Lakehead Campers Assoc
Lakehead Conservation Authority
Lakehead University --- Forestry Comm
Northwestern Ontario Timber Operators Assoc
Private Lands Liaison Comm
Quetico-Superior Joint Advisory Comm
Recreational Land Use Planning Comm
Shebandowan Campers Assoc
Thunder Bay Field Naturalist Club
Thunder Bay Fish and Game Assoc.

TWEED DISTRICT

Cataraqui Region Conservation Authority --- Environmental
Sciences Advisory Board

Crowe Valley Conservation Authority --- Water Control

Joint Commercial and Sport Fish Comm for the Bay of Quinte

Moirs River Conservation Authority --- Wildlife Advisory Board

Napanee River Conservation Authority --- Forestry Advisory
Board

Renfrew County --- Agriculture and Conservation Comm

Advisory Comms to County ARDA --- Frontenac, Prince Edward,
Hastings, and Lennox and Addington

WHITE RIVER DISTRICT

Canadian Institute of Forestry

Recreational Land Use Planning Comm

NEW POLICIES

[illegible]

AREA AND POPULATION BY PROVINCES populations in 000's

Province....Area in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961	1971*
Ontario.....412,582 July 1, 1867	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236	7,815
Quebec.....594,860 July 1, 1867	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259	6,030
Nova Scotia.....21,068 July 1, 1867	387	450	492	523	512	577	642	737	770
New Brunswick.....27,985 July 1, 1867	285	321	351	387	408	457	515	598	632
P.E.I.....2,184 July 1, 1873	94	109	93	88	88	95	98	105	111
Newfoundland.....155,364 Mar. 31, 1949	....	....	....	....	....	....	361	458	524
Manitoba.....246,512 July 15, 1870	25	152	461	610	700	729	776	922	988
Saskatchewan.....251,700 Sept. 1, 1905	....	....	492	757	921	895	831	925	928
Alberta.....255,285 Sept. 1, 1905	....	....	374	588	731	796	939	1,332	1,634
British Columbia...366,255 July 20, 1871	36	98	392	524	694	817	1,165	1,629	2,196
Territories**.....1,511,979	48	98	15	12	13	16	25	38	53
CANADA.....3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238	21,681

*Estimate of Dominion Bureau of Statistice, June 1.

**Yukon, 207, 076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.

- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established.
Forest Ranger School at Dorset established.

- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.

- 1949 White River District established (Central Region), the 22nd District.

- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.
- By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.
- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.
- Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.
- Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.
- Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.
- Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.
- The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.
- 1958 Surveys Act completely revised.
- Silviculture becomes the third Branch in Division of Timber. Land Use Planning Section created in Lands and Surveys.
- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.
- Law and Personnel become Branches.
- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.
- 1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.
- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.
- 1963 Land Acquisition Section created in Lands and Surveys.

- 1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.
 Accident Control Section created in Operations Branch to administer the Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.
- 1965 Land Use Planning Section, Lands and Surveys Branch, merged with Land Acquisition Section as Land Acquisition and Planning Section.
- 1966 The Woodlands Improvement Act was passed into law, authorizing the Minister of Lands and Forests to enter into agreements with land-owners under which tree planting and woodland improvement work may be done by the Department.
 G.F.U. Bayly appointed Deputy Minister. Regional Director appointed at Maple for Southern Ontario, additional to directors at Sudbury (North-Eastern) and Port Arthur (North-Western). Regional Forester in South-Central, only.
- 1967 The responsibility for wilderness areas, water access points, canoe routes and hiking trails was transferred from Lands and Surveys Branch to Parks Branch. A park classification and park land zoning system was adopted.
 Post One, the first monument in the Ontario Plan Co-ordinate System of Surveys, was dedicated in Queen's Park, June 21st.
- 1968 Gogama Forest District eliminated in a re-organization, effective April 1st, reducing the number of districts to 21.
- 1969 Engineering Section transferred from Lands and Surveys Branch to Forest Protection Branch as Engineering Services Section, April 1st.
 Timber Branch re-organized into two sections, Timber Production and Timber Sales, and a Forest Economics Unit on September 2nd.
 Regional Foresters eliminated, November 1st.
- 1970 Complete services for winter camping were provided in Arrowhead, Pinery and Sibbald Point Provincial Parks.
 Port Arthur forest district and units were named Thunder Bay, January 1st.
- 1971 Department reorganized, April 1st. Four Executive Directors ed to four new Divisions.
 Finance and Administration Division to include Financial Management Branch (formerly Accounts Branch), Legal Services Branch (Law Branch), Personnel Branch and Services Branch (Operations Branch).
 Land Management Division to consist of Environmental Protection Branch (Forest Protection Branch), Lands and Waters Branch (Lands Section), and Surveys and Engineering Branch (Surveys Section and Engineering Services Section).
 Outdoor Recreation Division to include Parks and Recreation Division to include Parks and Recreation Areas Branch (Parks Branch), Sport Fisheries Branch (Fisheries Section) and Wildlife Branch (Wildlife Section).
 Resource Products Division will consist of Commercial Fish and Fur Branch (Commercial Fish Unit and Fur Unit), Resource Economics Branch (Economics Unit), Timber Management Branch (Timber Production Section) and Timber Sales Branch (Timber Sales Section).
 The three regions and Research Branch remain unchanged.

NEW POLICIES

[illegible]

BINDING SECT.

OCT 31 1972

Government
Publications



3 1761 11547322 5